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Flora Americæ Septentrionalis;

OR, A

SYSTEMATIC ARRANGEMENT

AND

DESCRIPTION

OF

THE PLANTS

OF

NORTH AMERICA.

CONTAINING, BESIDES WHAT HAVE BEEN DESCRIBED BY PRECEDING AUTHORS, MANY NEW AND RARE SPECIES, COLLECTED DURING TWELVE YEARS TRAVELS AND RESIDENCE IN THAT COUNTRY,

54738

BY

FREDERICK PURSH.

IN TWO VOLUMES.

WITH TWENTY-FOUR ENGRAVINGS.

VOL. I.

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Monarda kalmiana.

TO

AYLMER BOURKE LAMBERT, Esq.

F.R.S. F.A.S.

VICE-PRESIDENT OF THE LINNEAN SOCIETY.

SIR,

I am conscious of offering but a small tribute of gratitude, when I beg to be permitted to inscribe the following pages with your name. Should they happily meet with approbation, the Public will have, in a great measure, to thank you for their existence; as, without the aid and assistance you so liberally afforded me, my own feeble exertions would have been inadequate to the performance of so important an undertaking.

Should the perusal of this work in any degree add to the pleasure you feel in

the cultivation of your favourite science, and in encouraging the efforts of others for its advancement, the utmost of the wishes are attained of,

Sir,

Your obedient and much devoted

humble Servant,

FREDERICK PURSH.

PREFACE.

AMONG the numerous useful and interesting objects of natural history discovered on the vast extent of the New Continent, none claim our attention in a higher degree than the vegetable productions of North America. Her forests produce an endless variety of useful and stately timber trees; her woods and hedges the most ornamental flowering shrubs, so much admired in our pleasure grounds; and her fields and meadows a number of exceedingly handsome and singular flowers (many of them possessing valuable medicinal virtues), different from those of other countries. All these are more or less capable of being adapted to an European climate, and the greater part of easy cultivation and quick growth; which circumstances have given them, with much propriety, the first rank in ornamental gardening.

A country so highly abundant in all the objects of my favourite pursuits, excited in me, at an early period of life, a strong desire to visit it, and to observe in their natural soil and climate the plants which I then knew; and to make such discoveries as circumstances might throw in my way. This plan I carried into execution in the year 1799; when I left Dresden, the place where I had received my education, and embarked for Balti-

more in Maryland, with a determination not to return to Europe until I should have examined that country to the utmost extent of my means and abilities. In 1811, after an absence of nearly twelve years, I returned to Europe, with an ample stock of materials towards a FLORA OF NORTH AMERICA, an attempt at which I now venture to lay before the public, with the flattering hope, that a generous allowance will be made for its unavoidable imperfections, when the extent of the undertaking is considered; and that it will be accepted as it really is intended, as only the groundwork of some future more perfect work upon the subject.

As it may be interesting to some readers to have a sketch of the particulars of my stay in America, and to be informed of the means by which I became possessed of so general a collection of its plants, I shall give a few outlines thereof, previous to the necessary remarks respecting the execution of the work itself.

My first object, after my arrival in America, was to form an acquaintance with all those interested in the study of Botany. Among these I had the pleasure to account one of the earliest, and ever after the most valuable, the Rev. Dr. Mühlenberg of Lancaster, in Pensylvania, a gentleman whose industry and zeal for the science can only be surpassed by the accuracy and acuteness of his observation; I only regret, that his extensive and interesting materials towards a Flora of the United States, in which he has been engaged for a number of years, should not before this have been communicated to the public.

I next visited the old established gardens of Mr. Marshall, author of a small "Treatise on the Forest-trees

of North America." This gentleman, though then far advanced in age and deprived of his eye-sight, conducted me personally through his collection of interesting trees and shrubs, pointing out many which were then new to me, which strongly proved his attachment and application to the science in former years, when his vigour of mind and eye-sight were in full power. This establishment, since the death of Mr. Marshall, (which happened a few years ago,) has been, in some respects, kept up by the family, but is now very much on the decline, only a few old established trees being left as a memento of what formerly deserved the name of a respectable botanic garden.

Near Philadelphia I found the botanic garden of Messrs. John and William Bartram. This is likewise an old establishment, founded under the patronage of the late Dr. Fothergill, by the father of the now living Bartrams. This place, delightfully situated on the banks of the Delaware, is kept up by the present proprietors, and probably will increase under the care of the son of John Bartram, a young gentleman of classical education, and highly attached to the study of botany. In Mr. William Bartram, the well known author of "Travels through North and South Carolina," I found a very intelligent, agreeable, and communicative gentleman; and from him I received considerable information about the plants of that country, particularly respecting the habitats of a number of rare and interesting trees. It is with the liveliest emotions of pleasure I call to mind the happy hours I spent in this worthy man's company, during the period I lived in his neighbourhood.

Not far from the latter place are also the extensive gardens of William Hamilton, Esq., called the Woodlands, which I found not only rich in plants from all parts of the world, but particularly so in rare and new American species. Philadelphia being a central situation, and extremely well calculated for the cultivation of plants from all the other parts of North America, I found this collection particularly valuable for furnishing me with a general knowledge of the plants of that country, preparatory to more extensive travels into the interior, for the discovery of new and unknown subjects. Mr. John Lyon, (of whom I shall have an opportunity to speak hereafter,) who had the management of these gardens, was then about to give them up: having the offer of being appointed his successor, I embraced it, and accordingly in 1802 I entered upon the situation. During my stay in this place, which was until 1805, I received and collected plants from all parts of North America; and when Michaux's "Flora Boreali-Americana" appeared, which was during that time, I was not only in possession of most of his plants, but had then a considerable number not described by him.

Within this period I had also formed a connection with Dr. Benjamin S. Barton, Professor of Botany in the University of Pensylvania, &c. whose industrious researches in all the different branches of natural history are so well known to the literary world. He likewise, for some time previous, had been collecting materials for an American Flora. As I was now very anxious to explore the more remote parts of the country, particularly the interesting ranges of the Allegany Mountains, I was enabled, by the kind assistance of this gentleman, to

take a more extensive range for my botanical excursions, which during my stay at the Woodlands had been confined within a comparatively small compass, the necessary attention to the duties of that establishment not permitting me to devote more time to them.

Accordingly, in the beginning of 1805, I set out for the mountains and western territories of the Southern States, beginning at Maryland and extending to the Carolinas, (in which tract the interesting high mountains of Virginia and Carolina took my particular attention,) and returning late in the autumn through the lower countries along the sea-coast to Philadelphia. The following season, 1806, I went in like manner over the Northern States, beginning with the mountains of Pensylvania and extending to those of New Hampshire, (in which tract I traversed the extensive and highly interesting country of the Lesser and Great Lakes,) and returning as before by the sea-coast.

Both these tours I principally made on foot, the most appropriate way for attentive observation, particularly in mountainous countries; travelling over an extent of more than three thousand miles each season, with no other companions than my dog and gun, frequently taking up my lodging in the midst of wild mountains and impenetrable forests, far remote from the habitations of men. The collections and observations made in the course of these journeys, all of which I communicated to Dr. Barton, were considerable, in respect to the discovery of many new and interesting subjects of natural history in general. But the knowledge which I thereby acquired of the geography, soil, and situation of the plants of that country, (points of the greatest interest

to the practical botanist) was of the greatest importance to me.

Soon after my return from the last-mentioned journey, I had the pleasure to form an acquaintance with Meriwether Lewis, Esq., *then Governor of Upper Louisiana, who had lately returned from an expedition across the Continent of America to the Pacific Ocean, by the way of the Missouri and the great Columbia rivers, executed under the direction of the Government of the United States.* A small but highly interesting collection of dried plants was put into my hands by this gentleman, in order to describe and figure those I thought new, for the purpose of inserting them in the account of his Travels, which he was then engaged in preparing for the press. This valuable work, by the unfortunate and untimely end of its author, has been interrupted in its publication; and although General Daniel Clark, the companion of Mr. Lewis, (to whom I transmitted all the drawings prepared for the work,) undertook the editorship after his death, it has not, to my knowledge, yet appeared before the public, notwithstanding the great forwardness the journals and materials were in when I had the opportunity of perusing them.

The collection of plants just spoken of was made during the rapid return of the expedition from the Pacific Ocean towards the United States. A much more extensive one, made on their slow ascent towards the Rocky mountains and the chains of the Northern Andes, had unfortunately been lost, by being deposited among other things at the foot of those mountains. The loss of this first collection is the more to be regretted,

when I consider that the small collection communicated to me, consisting of about one hundred and fifty specimens, contained not above a dozen plants well known to me to be natives of North America, the rest being either entirely new or but little known, and among them at least six distinct and new genera. This may give an idea of the discerning eye of their collector, who had but little practical knowledge of the Flora of North America, as also of the richness of those extensive regions in new and interesting plants, and other natural productions.

The descriptions of those plants, as far as the specimens were perfect, I have inserted in the present work in their respective places, distinguishing them by the words "*v. s. in Herb. Lewis.*" Several of them I have had an opportunity of examining in their living state, some being cultivated from seeds procured by Mr. Lewis, and others since my arrival in England from seeds and plants introduced by Mr. Nuttall.

Here I cannot refrain from drawing the attention of future botanists travelling those regions, to two highly interesting plants, of which I have only seen imperfect specimens. The first is what Mr. Lewis in his journals calls "the Osage Apple," or "Arrowwood of the Missouris." This is a tree, or rather shrub, with leaves resembling those of a pear-tree, but broader in proportion; they are alternate, and have a recurved thorn near their base; the flowers are of separate sexes, and appear in axillary, peduncled, globular catkins, which produce a depressed globular fruit, in size and colour resembling an orange, in interior structure approaching near to the genus Morinda. This shrub, on account of its fruit

and handsome foliage, must be highly ornamental: the wood, being excessively hard, is preferred by the Indians to any other for making their arrows; and as it does not spontaneously grow in their neighbourhood, they travel annually to a considerable distance South-west, to procure it. About the village of the Osage Indians a few trees have been planted, from which one has been introduced into one of the gardens at St. Louis on the Mississippi. Perfect seeds from the last-mentioned tree were given by Mr. Lewis to Mr. M'Mahon, nursery and seedsman, at Philadelphia, who raised several fine plants from them, and in whose possession they were when I left America. The other plant alluded to is called by Mr. Lewis "A bulbous Rush, which serves the Indians for bread." Of this I have only seen the root, which is of a yellowish-brown colour, about the thickness of a finger, and jointed; on each joint, which are about three inches asunder, several tubers of about an inch and a half long are produced, of an oblong ovate shape, tapering into a point towards the end; these tubers are filled with an exquisite white and fine farina, resembling starch; these roots are used in the same manner as those of *Psoralea esculenta*, vid. vol. ii. p. 475. I take this to be a larger species of tuberous Cyperus.

While I was thus engaged in describing and figuring those new acquisitions to the American Flora, another opportunity offered to augment my resources. Mr. Aloysius Enslen, who had been sent to America by Prince Lichtenstein of Austria, as a collector of new and interesting subjects of natural history, returned to Philadelphia from his extensive travels through the Western Territories and Southern States. This gentle-

man, with whom I had previously been on terms of intimate friendship, was now in possession of an extremely valuable collection of living and dried plants, to which I had unrestrained access. To his liberality I am indebted for many new and scarce specimens, which filled up a desideratum in my collection, particularly in the plants of Lower Louisiana and Georgia. Those species exclusively received from his collection I have distinguished by "*v. s. in Herb. Enslen.*"

At the same time I had frequent opportunities of seeing the herbarium and collection of living plants of Mr. John Lyon, a gentleman through whose industry and skill more new and rare American plants have lately been introduced into Europe than through any other channel whatever. Those plants particularly adopted from his collection I have marked with "*v. s. in Herb. Lyon.*"

By these and several other connections, which it is unnecessary to mention here, added to my own occasional excursions through the different parts of the United States, I was put in possession of an extensive herbarium, containing plants from all the different parts of North America; which when summed up would nearly double the number of those described in Michaux's excellent Flora. As that work was then extremely scarce in America, I determined to publish a Compendium of it, executed on the plan of Hoffmann's Flora Germanica, which work I had no doubt would be acceptable to the botanist, and particularly so to the cultivator. I communicated my design to Messrs. Bradford and Inskeep, booksellers at Philadelphia, who gave me every encouragement towards the prosecution thereof.

While I was engaged in arranging my materials for this publication, I was called upon to take the management of the Botanic Garden at New York, which had been originally established by the arduous zeal and exertions of Dr. David Hosack, Professor of Botany, &c. as his private property, but has lately been bought by the Government of the State of New York for the public service. As this employment opened a further prospect to me of increasing my knowledge of the plants of that country, I willingly dropped the idea of my intended publication for that time, and in 1807 took charge of that establishment.

Here I again endeavoured to pay the utmost attention to the collection of American plants, as the establishment was principally intended for that purpose. In this I was supported by my numerous botanical connections and friends, among whom I must particularly mention John Le Conte, Esq. of Georgia, whose unremitting exertions added considerably to the collection, particularly of plants from the Southern States.

The additions to my former stock of materials for a Flora were now considerable, and in conjunction with Dr. D. Hosack I had engaged to publish a periodical work, with coloured plates, all taken from living plants, and if possible from native specimens, on a plan similar to that of Curtis's Botanical Magazine; for which a great number of drawings were actually prepared. But at this period I was attacked by a serious and obstinate intermitting fever, which made a change of air and climate absolutely necessary to me; I therefore, in 1810, took a voyage to the West Indies, visiting the islands of Barbadoes, Martinique, Dominique, Guadaloupe, and

St. Bartholomew's, from which I returned in the autumn of 1811 in a perfect state of recovered health. The vessel in which I returned landed at the town of Wiscasset in the province of Main. This being a country I had never visited before, I examined its vegetation with all possible attention; and although the season was too far advanced for making any new discoveries, I gained considerable information respecting the geography of plants, a point I always considered highly interesting to the science. During my journey towards New York, I had an opportunity of visiting Professor Peck of Cambridge College near Boston, and seeing his highly interesting collection of plants, collected on a tour to the alpine regions of the White Hills of New Hampshire. As the season was too far advanced when I was in that country to suffer me to think of ascending those mountains, this collection was highly gratifying to me.

On my return to New-York, I found things in a situation very unfavourable to the publication of scientific works, the public mind being then in agitation about a war with Great Britain. I therefore determined to take all my materials to England, where I conceived I should not only have the advantage of consulting the most celebrated collections and libraries, but also meet with that encouragement and support so necessary to works of science, and so generally bestowed upon them there.

These expectations I found amply realized on my arrival in London. I had very soon the pleasure of forming a circle of acquaintance among those attached to the science of Botany, by whom I was gradually introduced

to the most eminent botanical characters of our age. Sir Joseph Banks, with his accustomed liberality, supported my undertaking by giving me access to his extensive library and herbarium. A. B. Lambert, Esq. favoured me not only with the same assistance, but very handsomely offered me the entire use of his library and collection during the compilation of the work. To this gentleman I am in the highest degree indebted for his strenuous support under all the difficulties I had to encounter during its progress; which by his generous exertions he endeavoured to remove whenever they occurred.

Among the many new sources of information now opened to me, I must particularly mention the following original collections, by the assistance of which I have been enabled to correct many errors of former publications, particularly respecting the synonyms.

I. Clayton's Herbarium.—The whole of this interesting collection, from which the "FLORA VIRGINICA" of Gronovius was compiled, is preserved in the Banksian Museum. This has been particularly useful to me in tracing the plants which Linnæus had adopted from that work.

II. Professor P. S. Pallas's Herbarium.—This extensive collection, now in the possession of A. B. Lambert, Esq. was highly useful to me, in comparing the plants of North America with those of the North of Asia, to some of which they have a great affinity, and others are common to both continents.

III. Plukenet's Herbarium.—Preserved in the British Museum, as also part of

IV. Catesby's Herbarium.

V. Walter's Herbarium. This interesting collection, from which Walter's "FLORA CAROLINIANA" was compiled, is in possession of the Messrs. Frasers of Sloane Square, whose father was the intimate friend of Mr. Walter. They very kindly permitted me to make use of it whenever I had occasion to refer to it.

I am also highly indebted to William Roscoe, Esq., who very obligingly communicated to me Mr. Bradbury's Plants collected in Upper Louisiana. This valuable collection contains many rare and new species, having been collected in a tract of country never explored before: those which were entirely new I have described in the Supplement to the present work.

Besides these general collections, there were a number of interesting new plants in the Banksian Herbarium collected by different persons in North America. Among them I found a number of those collected by Archibald Menzies, Esq., during the famous expedition under Vancouver, on the north-west coast of America. As several of them had been described by me from the Lewisian collection, I requested permission of Mr. Menzies to adopt such as were immediately connected with my plan, which he very obligingly complied with.

The number of American plants in the different nurseries and private collections in the vicinity of London, contributed considerably to my resources, and I am highly indebted to those who gave me their assistance, particularly to Messrs. Lee and Kennedy, whose extensive collections exceed any other in Europe.

The accounts I had frequently heard of the celebrated Sherardian Herbarium at Oxford, made me particularly

anxious to examine it. Dr. G. Williams, professor of botany in that University, received me with that kindness so congenial to the true friend of science, and supported my researches to the utmost of his power. Besides the entire Herbarium of Morison, and other valuable collections, I found a general collection of North American plants, among which I was particularly gratified to find all those sent by Mr. M. Catesby to Dr. Sherard. This collection, though made a century ago, is in very fine preservation, and contains specimens of most of the new species of Walter, Michaux, &c. and even some entirely new ones, with the remarks and synonyms of Dr. Sherard, and frequently accompanied with the original letters of M. Catesby. In the same collection are also a number of rare specimens collected by a Mr. Tilden at Hudson's Bay, and those of John Bartram and other correspondents of Dr. Sherard. In fine, I consider this the most complete collection of North American plants now extant. The notes and remarks made here are given in the Appendix and Addenda, as it was not until the body of the work was printed that I had the opportunity of seeing this valuable collection.

Having thus given a general view of the means and resources I had in composing the present work, I shall only add a few remarks respecting its execution.

On a slight inspection of the work, it will be readily perceived that my chief object has been, throughout, to comprise as much matter as possible in the smallest space which attention to perspicuity would allow.

In respect to nomenclature I have followed Willdenow's "SPECIES PLANTARUM" and Michaux's "FLORA

BOREALI-AMERICANA" as near as possible, avoiding carefully to change old established names, however faulty, unless in cases where good authority furnished a more appropriate one. As for example, I have adopted *Fraxinus acuminata* of Lamarck, instead of *Fraxinus americana*, Linn., and *Cynoglossum amplexicaule* of Michaux for *Cynoglossum virginicum*, Linn. But I have never approved of such changes as *Juglans alba* and *cinerea* of Linnæus to *Juglans squamata* and *cathartica*, as the younger Michaux in his "Arbres Forestiers" has done. This otherwise very useful publication is full of such new names, imposed on well known and long established species, and sometimes even without the least hint respecting their names in other authors.

The specific characters in most instances have been modelled anew or altered as it was found necessary. Wherever any alteration had been made it was necessary to quote the author from which the species had been taken in a separate line, as page 16 *Monarda didyma*; after the specific description I had to repeat that it was the same with *M. didyma*, Willd. sp. pl. 1. p. 125. To avoid this superfluous repetition, and save as much room as possible, I found it expedient to adopt, from page 72 to the end, the following mark (—), to be placed after the specific character whenever it had been amended; so that *Stipa avenacea*, page 72, is the same species described by Willd. sp. pl. 1. p. 442, but the character is new or augmented. Wherever the author follows the description without this mark, as page 73, *Saccharum giganteum*, Pers. ench. 1. p. 103, in that case the character has been adopted without alteration.

In some of the more intricate genera, as *Monadelphia*, *Vaccinium*, *Andromeda*, *Salix*, &c. the specific characters have been extended to a rather unusual length, which may be objected to by some, but I am persuaded will be approved of by most. The beauty of a short and perspicuous character is without doubt preferable to a long one, which the more it is extended the more ambiguous it will become; but the nature of certain genera will absolutely not admit this conciseness, and the works of some of the most celebrated authors have lately proved that it is inconvenient to be limited by a certain number of words in forming the specific character. Among many others I only need to mention Willdenow's last volume of the Species Plantarum, particularly the genus *Aspidium*, and Mr. Robert Brown's excellent "Treatise on the Proteaceæ," in the tenth volume of the Transactions of the Linnean Society. In both these works examples will be found, where the length of the specific character equals if not exceeds in number of words the longest in the present work.

It would have been needless to encumber the work with a superfluous number of synonyms, which can be found in the authors referred to; but those of a late date, or any way illustrative toward the true determination of the species, have been carefully collected, as the means I was possessed of were particularly favourable to the ascertainment of those points, which may be of the highest utility to future publications on the same subject.

In respect to the figures referred to, care has been taken to quote the most correct whenever there was a choice. The plates which accompany the work have

been carefully selected, either from highly interesting new plants, or those which will not admit of cultivation, as some of the *Rhexias*, *Lupinus*, *Gerardia*, &c. As the plates were executed during the progress of the work through the press, references to them could not be inserted in the proper places; but as the plates themselves refer to the pages of the work, it will be easy to supply this deficiency.

Particular attention has been paid in describing the soil, situation, and range of country each species is found in, which will be found very useful to the practical botanist, and especially so to the cultivator of those plants.

After the usual sign of duration, and the time of flowering, each species has been faithfully marked whether I have seen it myself in a living state (*v. v.*), or only in a dried specimen (*v. s.*); in the latter case the name of the herbarium I had it from is generally mentioned. Those I have adopted without seeing them myself in either state, and which are but few, I have marked (+).

To each species a short note has been added, respecting the colour and size of the flower, the habit of the plant, or some other interesting subject illustrative of the species.

Very full descriptions have been given of only some of the most interesting new species, as the limits of the work would not admit of it in general. The careful references to authors and good figures will amply supply this deficiency.

In the alteration made in the systematic arrangement,

I have been guided by the hints given by the le
Dr. J. E. Smith, in his excellent "Introduction to
tany." The classes Dodecandria and Polyadelphia
entirely omitted, and their genera inserted in their
per places in the other classes. *Asarum* next to *A*
tolochia, in Gynandria. *Bejaria*, *Portulacca*, *Talinum*,
Calligonum, and *Hypericum*, in Polyandria. *Hudsonia* next to *Helianthemum*, with which it is closely related in the same class, *Decumaria*, *Lythrum*, *Cuphea*, and *Agrimonia*, in Icosandria. *Halesia* near *Styrax*, in Monadelphia. *Euphorbia* in Diclinia, where it forms, with its other genera, a natural as well as artificial order. The nineteenth class, Diclinia, contains the natural families of Tricoccæ or Euphorbia, Amentaceæ, and Coniferæ. The other genera of the classes Monœcia, Dioecia, and Polygamia, having been referred to their proper classes. The genus *Diotis* more properly belongs to Tetrandria, but had been omitted in that class. *Najas* and *Valisneria* are genera of an order of this class, to which probably might be added all the Aroideæ. How far these alterations may meet the approbation of those best qualified to judge, I have yet to learn, but I am strongly persuaded, they will facilitate the study of this lovely science to the young beginner.

In the last class, Cryptogamia, I have gone no further than the family of the *Filices*, according to the formation of the plan of this work, which only included plants which either are, or can be cultivated. The other orders, *Musci*, *Algæ*, and *Fungi*, will form a distinct work from the present, and may appear at some future

period in a more perfect shape than the limits of this work would admit; it being absolutely necessary to illustrate those minute objects with correct figures, without which mere words are useless in describing them.

At the end of the work I have given a Table of Anomalous Flowers; great pains have been taken to make it as correct as possible. This will be found of infinite service, particularly to the young botanist. For this purpose I shall give an example of the use of it. Should the young beginner, unacquainted with the genus *Galium*, happen to find *Galium trifidum*, vol. i. p. 103, he would in vain look for its genus in Triandria; but by referring to this table among the anomalous genera, he will very easily find its proper genus. Again, by examining a flower of *Asclepias*, he might very probably consider the ten pollen masses for as many anthers, and look for its genus in Decandria, which by the assistance of this table he will trace to be Pentandria.

For the accommodation of the English reader, I have given a double Latin and English Index. Great attention has been paid to the correctness of the General Index, in which the first number in parentheses refers to the number of the genus, the other to the page. The synonyms are distinguished by being in Italics.

Notwithstanding the unremitting attention paid to the correctness of this work, the author is well aware, that it will not be found free from those errors which are unavoidable in (nay almost inseparable from) publications of this nature, where so great a number of authorities are to be referred to. But he still consoles himself with the idea of having given to the world a work

which, with all its imperfections, will be found useful and contribute to the general advancement and progress of the science. This has been the only aim, and will be the highest reward of the labours of

THE AUTHOR.

LONDON,
December 1813.

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Abbot. insect.—The Natural History of the rarer Lepidopterous Insects of Georgia, collected from the Observations of J. Abbot, by J. E. Smith. 2 vols. London, 1797. 4to.

Act. holm.—Kongl. Vetenskaps Academiens Handlingar. Stockholm, 1739 et seq. 8vo.

Act. petrop.—Acta Academiæ Scientiarum Imperialis Petropolitanæ pro Annis 1777—1782. Petropoli, 1778—1786. 4to.

Act. soc. amer.—Transactions of the American Philosophical Society, held at Philadelphia, for promoting useful Knowledge. Philad. 1771 et seq. 4to.

Act. soc. hist. nat. par.—Actes de la Société d'Histoire Naturelle de Paris. Tom. 1, 1 partie. Paris, 1792. fol.

Act. soc. nat. scrut. haf.—Skrivter of Naturhistorie Selskabel. Kiobenhaven, 1790 et seq. 8vo.

Act. soc. linn. lond.—Transactions of the Linnean Society of London. London, 1791 et seq. 4to.

Act. ups.—Acta Societatis Regiæ Scientiarum Upsaliensis. Stockholmiæ, 1744 et seq. 4to.

Ait. kew.—Hortus Kewensis; or, A Catalogue of the Plants cultivated in the Royal Botanic Garden at Kew, by W. Aiton. Vol. 1—3. London, 1789. 8vo.

Ait. kew. ed. 2.—The second edition enlarged, by W. Townsend Aiton. Vol. 1—5. London, 1810.

Allion. fl. ped.—Car. Allioni Flora Pedemontana. Tomi 3. Augustæ Taurinorum, 1785. fol.

Alp. exot.—Prosp. Alpini de Plantis exoticis Libri 2. Venetiis, 1629. 4to.

Amœn. acad.—Caroli Linnæi Amœnitates academicæ. Vol. 10. Holmiæ, 1749—1769. Erlangæ, 1785. 1790. 8vo.

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Annales du mus. d'hist. nat. *Ann. mus. hist. nc...*—... du Museum d'Histoire Naturelle, par les ... de cet Etablissement. Paris, 1802 et seq.

Annals of bot.—Annals of Botany, by C. Kö... Sims. 2 vols. London, 1805, 1806. 8vo.

Ard. spec. *Arduin. spec.*—Petr. Arduini Anima... botanicarum Specimen 1. Patavii 1759. Spec... Venetiis, 1764. 4to.

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Blackw.—Herbarium Blackwellianum emendatum et auctum, cum Præfatione D. Chr. Trew. Cant. 1—6. Norimb. 1750—1772. fol.

Bocc. sic.—Icones et Descriptiones rariorum Plantarum Siciliæ, Melitæ, Galliæ, et Italiæ; Auctore Paulo Boccone. Oxonii, 1674. 4to.

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Bot. mag.—Curtis's Botanical Magazine, continued by J. Sims. London, 1801 et seq. 8vo.

Bot. rep.—The Botanist's Repository for new and rare Plants, by H. Andrews. London, 1797 et seq. 4to.

Breyn. cent.—Jac. Breynii Exoticarum, aliarumque minus cognitarum Plantarum Centuria prima. Gedani, 1678. fol.

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Bullet. de la soc. philomat.—Bulletin des Science., par la Société Philomatique. Paris, 1797 et seq. 4to.

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I. *MONOGYNIA.*

1. ZOSTERA. *Gen. pl.* 1390. Grass-wrack.

marina. 1. Z. foliis integerrimis subtrinerviis, caule teretiusculo. *Vahl. enum. pl.* 1. *p.* 14.
Icon. *Engl. bot.* 467. *Fl. dan. t.* 15.
In salt-marsh ditches, in the bay of Delaware, &c.
♃. Aug. *v. v.* Leaves long; flowers very small.
The leaves are narrower and more obtuse than in the European plant; in every other respect it appears to be the same.

2. CAULINIA. *Willd. in act. ac. ber.* 1798. *p.* 87.

fragilis. 1. C. foliis ternis oppositisve lineari-subulatis recurvatis aculeato-dentatis rigidis. *Willd. sp. pl* 4. *p.* 182.
Icon. *Willd. l. c. t.* 1. *f.* 2.—*Michel. gen. t.* 8 *f.* 3.
In slow-flowing waters; Susquehanna, Kenhaway, &c. rivers. ☉. Aug. *v. v.* Immersed, floating.

flexilis. 2. C. foliis senis linearibus apice denticulatis patentibus. *Willd. sp. pl.* 4. *p.* 183.
Icon. *Willd. l. c. t.* 1. *f.* 1.
In small ponds and old ditches: New York to Carolina.
☉. Aug. *v. v.* Immersed, floating; flowers very small.

3. SALICORNIA. *Gen. pl.* 14. Samphire or Glasswort.

herbacea. 1. S. herbacea patula, articulis apice compressis emarginato-bifidis, spicis axillaribus oppositis pedunculatis, squamis obtusis. *Willd. sp. pl.* 1. *p.* 23.
annua. *α Engl. bot.* 415.
simplex. *β* ramis simplicissimis, caule prostrato.
gracilis. *γ* caule stricto ramoso, ramis laxis.
Var. *α* and *β* are common along the sea-coast: var. *γ* I observed on the Salt-lake of Onondago, New York.
☉. ♂. Aug. *v. v.* Fleshy, smooth; salt taste.

virginica. 2. S. herbacea erecta, ramis simplicissimis indivisis: spicis longis articulatis. *Willd. sp. pl.* 1. *p.* 25.
Frequent on the coast of Virginia and Carolina. July, Aug. *v. v.*; *v. s. in Herbario Gronoviano Museo Banksiano asservato.* Smaller than the last: I consider this no more than a subspecies, probably the same with S. *herbacea* *γ*.

3. S. fruticulosa assurgens inordinate ramosa. *Mich. fl. amer.* 1. *p.* 2. *ambigua.*
In sedgy salt-meadows; New Jersey to Carolina. ♂. ♄. July, Aug. *v. v.* Resembles S. *fruticosa* very much; taller than either No. 1. or 2; pale green.

4. HIPPURIS. *Gen. pl.* 15. Mare's-tail.

1. H. foliis plerumque senis linearibus. *Mich. fl. amer.* 1. *p.* 1. *vulgaris.*
In ditches and small ponds: Canada to Pensylvania, rare. ♃. *v. s. s. fl.* Upright, simple; may be a new species.

II. *DIGYNIA.*

5. PODOSTEMUM. *Mich. fl. amer.* 2. *p.* 164.

1. Podostemum. *Mich. l. c. p.* 165. *ceratophyllum.*
Icon. *Mich. l. c. t.* 44.
Closely attached to loose stones in shallow water of the rivers Ohio, Holston, Kenhaway, &c. ♃. July. *v. v.*
I take the liberty to place this plant in Monandria, as it will be more easily found by a young Botanist under this head, than under Monœcia Diandria.

6. CALLITRICHE. *Gen. pl.* 17. Water-starwort.

1. C. foliis superioribus spathulato-obovatis, inferioribus linearibus obtusis emarginatisque. *heterophylla.*
C. verna. *Willd. sp. pl.* 1. *p.* 28?
Icon. *Fl. dan.* 129?
In springs and rivulets, very common. ☉. May—July. *v. v.* Flowers white, axillary; upper leaves floating.

2. C. foliis omnibus linearibus apice bifidis. *linearis.*
C. autumnalis. *Willd. sp. pl.* 1. *p.* 29?
In similar situations, not so common. ☉. May, June. *v. v.* More slender than No. 1. Upper leaves somewhat spathulate-linear.

3. C. foliis omnibus linearibus truncatis brevibus approximatis. *brevifolia.*

In sandy barren grounds, near mill-ponds, [illegible] overflowed: New York to Virginia. ⊙. [illegible] Small, creeping along the ground, with a [illegible] appearance; flowering seldom.

7. BLITUM. *Gen. pl.* 18. Strawberry-s[illegible]

capitatum. 1. B. foliis acute triangulo-hastatis, capitulis al[illegible] cemum superne aphyllum approximatis. *amer.* 1. *p.* 2. *Willd. sp. pl.* 1. *p* 30.
In woods and about houses, in Canada and [illegible] parts of New York and Virginia. ⊙. [illegible] *v. v.* Flowers herbaceous; berries red.

8. CORISPERMUM. *Gen. pl.* 16. Tic[illegible]seed.

hyssopifolium. 1. C. spicis terminalibus, foliis linearibus ener[illegible] *Willd. sp. pl.* 1. *p.* 28.
Icon. *Pall. fl. ross.* 2. *t.* 98.
In open plains, called Prairies, of Canada and on the banks of the Missouri River; found by M. Lewis, Esq. ♄. Aug. Sept. *v. s. in Herbario Lewisiano.* Small shrub, of a gray aspect: flowers small, in axillary clusters.

III. *POLYGYNIA.*

9. ZANNICHELLIA. *Gen. pl.* 1391.

palustris. 1. Z. anthera quadriloculari, stigmatibus integerrimis, seminibus dorso denticulatis. *Willd. sp. pl.* 4. *p.* 181.
Icon. *Michel. gen. t.* 34. *f.* 1.
In ditches and small rivulets, in Virginia near the Sweet springs. ⊙. July, Aug. *v. v.* Resembles *Potamogeton marinum*; flowers very small.

10. CHARA. *Gen. pl.* 1397.

vulgaris. 1. C. caulibus ramulisque basi nudis, ramulis teretibus, articulis foliosis, foliolis oblongo-subulatis, bracteis baccа brevioribus. *Willd. sp. pl.* 4. *p.* 183.
Icon. *Engl. bot.* 336. *Feather-beds.*
Floating in old ponds and ditches: Canada to Carolina, common. ⊙. July, Aug. *v. v.* Incrusted; smells disagreeably.

2. C. caulibus nudis superne papillosis, ramulis teretibus basi et in articulis foliosis, foliis linearibus, bracteis bacca brevioribus. *Willd. sp. pl.* 4. *p.* 184. *foliolosa.*
Icon. *Willd. in act. ac. ber. t.* 1. *f* 2.
In clear waters and small ponds: Pensylvania, Virginia, &c. ☉. July. *v. v.* Green, shining, fragile.

3. C. caulibus diaphanis nudis, ramulis inarticulatis aphyllis compressis, baccis nudis lateralibus. *Willd. sp. pl.* 4. *p.* 187. *flexilis.*
Icon. *Engl. bot.* 1070.
In muddy pools and ditches in the western part of Pensylvania, &c. ☉. Aug. *v. v.* Green, flexile, tender, transparent.

II. DIANDRIA.

I. MONOGYNIA.

* *Fl. completi, inferi, 1-pet. regulares.*

12. OLEA. *Cor.* 4-fida: laciniis subovatis. *Drupa* 1-sperma.
13. CHIONANTHUS. *Cor.* 4 fida: laciniis longissimis. *Drupa* 1-sperma: nuce striata.
14. ORNUS. *Cor.* 4 partita: petalis longis ligulatis. *Fil.* longa. *Nux* alata.
11. LIGUSTRUM. *Cor.* 4-fida. *Bac.* 2-loc.: loculis 2-spermis.

** *Fl. completi, inferi, 1-pet. irregulares, angiospermi.*

18. VERONICA. *Cor.* limbo 4-partito: lacinia inferiore angustiore. *Caps.* 2-loc.
17. MICRANTHEMUM. *Cor.* subcampanulata, 4-partita: lacinia superiore minore. *Caps.* 2-valv. 1-loc. polysperma.
19. GRATIOLA. *Cor.* irregularis, resupinata. *Stam.* 2. sterilia. *Stigm.* 2-lob. *Caps.* 2-loc.
16. CATALPA. *Cor.* irregularis, 5-fida. *Cal.* 2-phyllus. *Caps.* 2-locularis.
20. ELYTRARIA. *Cor.* 5-fida, subæqualis. *Stam.* 2. sterilia. *Caps.* 2-loc.
21. JUSTICIA. *Cor.* irregularis. *Caps.* 2-loc. 2-valvis. *Anth.* geminæ.
22. PINGUICULA. *Cor.* ringens, calcarata. *Caps.* 1-loc. *Cal.* 2-lab. 5-fidus.
23. UTRICULARIA. *Cor.* ringens, calcarata. *Caps.* 1-loc. *Cal.* 2-phyllus, æqualis.

*** *Fl. completi, inferi, 1-pet. gymnospermi.*

24. LYCOPUS. *Cor.* tubulosa, subæqualis, 4-fida: lacinia superiore latiore emarginata. *Sem.* 4 retusa.
25. MONARDA. *Cor.* ringens: labium superius lineare, filamenta involvens.

26. SALVIA. *Cor.* ringens. *Filam.* transverse pedicello affixa.

27. COLLINSONIA. *Cor.* inæqualis: labio inferiore multifido, capillari. *Stam.* 2—4. *Sem.* 4. 3. abortientia.

**** *Fl. completi, superi.*

28. CIRCÆA. *Cor.* 2-petala. *Caps.* 2-loc.: loculis 1-spermis.

***** *Fl. incompleti.*

15. FRAXINUS. *Cor.* 0. vel 4-pet. *Samara* 2-loc. *Sem.* 1. *Polygamum.*

29. CERATIOLA. *Cal.* gemma. *Cor.* 0. *Bac.* 2-sperma.

30. BORYA. *Cal.* 4-phyllus. *Cor.* 0. *Bac.* 1-sperma.

31. LEMNA. *Cal.* 1-phyllus. *Cor.* 0. *Caps.* 1-loc. 2-sperma.

I. *MONOGYNIA.*

11. LIGUSTRUM. *Gen. pl.* 23. Privet. Prim.

1. L. foliis lanceolatis acutiusculis, panicula coarctata. *Willd. sp. pl.* 1. *p.* 41. *vulgare.*
Icon. *Engl. bot.* 764.
In hedges on road sides, frequent; scarce in remote woods: Canada to Virginia. ♄. May—July. *v. v.*
Flowers in white panicles; berries black.

12. OLEA. *Gen. pl.* 25. Olive tree.

1. O. foliis lanceolato-ellipticis integerrimis, racemis angustatis, bracteis omnibus persistentibus connatis parvis. *Willd. sp. pl.* 1. *p.* 45. *americana.*
Icon. *Catesb car.* 1. *t* 61. *Devil's-wood.*
On the sea-coast, in sandy boggy places: Carolina, Florida, &c. ♄. April, May. *v. v.* Flowers small, white; berries globular, purple, eatable.

13. CHIONANTHUS. *Gen. pl.* 26. Fringe-tree.

1. C. panicula terminali trifida, pedunculis trifloris, foliis acutis. *Willd. sp. pl.* 1. *p.* 46. *virginica.*

Icon. *Catesb. car.* 1. *t.* 68.

montanus. α foliis ovali-lanceolatis coriaceis glabris, pani[illegible] drupis ovalibus.
C. v. latifolia. *Ait. kew.* 1. *p.* 23.

maritimus. β foliis obovato-lanceolatis membranaceis pu[illegible] paniculis laxissimis, drupis ellipticis.
C. v. angustifolia. *Ait. kew.* 1. *p.* 23.
Var. α in the mountains of Pensylvania a[illegible]
β on the sea-coast in boggy woods from [illegible] to Carolina. ♄. May, June. *v. v.* Flowers white, very handsome; berries purplish-blue.
It is probable that those, as yet considered subspecies, are really distinct species, which further observations will decide.

14. ORNUS. *Dalech.* Flowering-ash.

americana. 1. O. foliolis late ovatis serratis: impari fere obcordato. *Pers. ench.* 2. *p* 205.
In moist shady woods: Maryland and Virginia, rare. ♄. May. *v. v.* Flowers resembling those of *Chionanthus;* seeds small, winged.

15. FRAXINUS. *Gen. pl.* 1597. Ash-tree.

sambucifolia. 1. F. foliolis sessilibus ovato-lanceolatis serratis rugoso-nitidis, basi rotundatis inæqualibus, axillis venarum subtus villosis, floribus nudis. *Willd. sp. pl.* 4. *p.* 1099.
Icon. *Mich. f. arb. t.* .... *Black-ash, Water-ash.*
In stony soil, on river sides from Canada to Virginia. ♄. April. *v. v.*

quadrangulata. 2. F. foliolis subsessilibus lanceolato-ellipticis serratis, subtus pubescentibus, samaris utrinque obtusis. *Willd. sp. pl.* 4. *p.* 1102.
Icon. *Mich. f. arb. t.* .... *Blue-ash.*
In rich bottoms of the western states: Ohio, Kentucky and Tennassee. ♄. May. *v. v. s. fl.; v. s. c. fr.*

epiptera. 3. F. foliolis lanceolato-ellipticis subserratis, samaris cuneatis apice obtusis emarginatis inferne teretibus. *Vahl. enum. pl.* 1. *p.* 50
F. discolor. *Mich. f. arb.* 33.
F. canadensis. *Gært. de fr. et sem.* 1. *p.* 222. *t.* 49.
Icon. *Mich. f. arb. t.* ....
On water-sides and rich bottom lands, from Canada to Carolina, frequent. ♄. April. *v. v.*

4. F. foliolis petiolatis oblongis nitidis acuminatis integerrimis subtus glaucis, floribus calyculatis. *Lam. encycl.* 2. *p.* 542. *acuminata.*
F. americana. *Willd. sp. pl.* 4. *p.* 1102.
F. concolor. *Mich. f. arb.* 33.
Icon. *Mich. l. c.* . . . . *White-ash. Green-ash.*
Common in most woods from Canada to Carolina. ♄. April. *v. v.*

5. F. foliolis petiolatis lanceolatis serrulatis nitidis glabris, ramulis glabris, floribus calyculatis. *Willd. sp. pl.* 4. *p.* 1103. *caroliniana.*
F. serratifolia. *Mich. f. arb. p.* 33.
F. excelsior. *Walt. fl. car. p.* 254.
Icon. *Mich. f. arb. t.* . . . . *Shining-ash.*
In rocky situations, from Pensylvania to Carolina, scarce. ♄. May. *v. v. s. fl.*

6. F. foliolis subsessilibus extrorsum serratis samarisque lanceolato-ellipticis. *Willd. sp. pl.* 4. *p.* 1103. *platycarpa.*
Icon. *Catesb. car. t.* 80. *Mich. f. arb. t.* . . .
In boggy woods of Virginia and Carolina. ♄. April, May. *v. s.*

7. F. foliolis petiolatis elliptico-ovatis serratis subtus petiolis ramulisque tomentosis, floribus calyculatis. *Willd. sp. pl.* 4. *p.* 1103. *Walt. fl. car. p.* 234. *Lam. encycl.* 2. *p.* 543. *pubescens.*
F. nigra. *Du Roi, ed.* 2. *t.* 1. *p.* 398.
F. tomentosa. *Mich. f. arb. p.* 33.
Icon. *Mich. t. c. t.* . . . *Red-ash. Black-ash.*

β foliolis ovato-lanceolatis attenuatis subserratis. longifolia.

γ foliolis ovatis latioribus obsolete, ad medium usque serratis. latifolia.

δ foliolis elliptico oblongis acuminatis argute serratis inferne subpubescentibus, petiolo communi glaberrimo. *Pers. ench.* 2. *p.* 605. subpubescens.
Common in the woods of Canada and the United States. ♄. April, May. *v. v.*

8. F. foliolis petiolatis ovatis opacis serratis subtus glaucis axillis venarum pubescentibus, ramulis glabris, floribus calyculatis. *Willd. sp. pl.* 4. *p.* 1104. *juglandifolia.*
F. caroliniana. *Wangh. amer.* 81.
Icon. *Mich. f. arb. t.* . . . . *Western Black-ash.*
In shady wet woods, from Canada to North Carolina; chiefly in the western districts. ♄. May. *v. v.*

16. CATALPA. *Juss. gen.* 138. Catalpa.

syringæfolia. 1. C. foliis cordatis planis. *Sims in bot. mag.* [illegible]
Bignonia Catalpa. *Willd. sp. pl.* 3. *p.* 289.
C. bignonioides. *Walt. fl car. p.* 64.
Icon. *Schmidt, arb.* 1. *t.* 41.
On the banks of Ohio, Mississippi and [illegible] gravelly soil. ♄. July, Aug. *v. v.* Flowers speckled with purple and yellow.

17. MICRANTHEMUM. *Mich. fl. amer.* [illegible]

orbiculatum. 1. Micranthemum. *Mich. l. c.*
Anonymos umbrosa. *Walt. fl. car. p.* 63.
Globifera umbrosa. *Gmel. syst. nat. t.* 2. *p.* [illegible]
Icon. *Mich. l. c. t* 2.
In shady wet woods of Carolina and Georgia [illegible] *v. v.* Stem creeping; leaves orbicular; flowers axillary, very small.

18. VERONICA. *Gen. pl.* 32. Speedwell.

virginica. 1. V. spicis terminalibus, foliis quaternis quinisque. *Will. sp. pl.* 1 *p* 34.
Icon. *Pluk. alm t.* 70. *f.* 2.
On calcareous hills, in sunny exposures. ♃. July—Sept. *v. v* Spikes long, white, or blush-colour.
On the mountains of Virginia I observed a very tall-growing variety, with purple flowers, extremely beautiful.

officinalis. 2. V. spicis lateralibus pedunculatis, foliis oppositis obovato-subrotundis pilosis annuis, caule procumbente hirto. *Willd. sp pl.* 1. *p.* 59.
Icon. *Engl bot* 765. *Fl. dan.* 248.
In barren, dry woods, very common from Canada to Carolina. ♃. May—July. *v. v.*

reniformis. 3. V. spicis lateralibus pedunculatis, foliis oppositis reniformi-cordatis inciso-crenatis, caule repente.
Collected by Messrs. Lewis and Clark in boggy soil, on the banks of the Missouri. ♃. June. *v. s. in Herb. Lewis.*
Caulis repens, filiformis, ad geniculos radicans. *Folia* opposita, longe petiolata, reniformi-cordata, inciso-crenata, glabra. *Pedunculi* axillares, alterni, longitudine foliorum, teretes, glabri, superne unibracteati. *Bractea* oblonga, crenata. *Spica* oblonga,

brevis. *Flores* magni, conferti, pall. de cærulei. *Cal.* 4-fidus: laciniis 2. superioribus oblongis; 2. inferioribus linearibus, multo minoribus. *Cor. Tubus* brevissimus. *Limbus* planus; laciniis oblongis, acutis, calyce triplo longioribus, infima lineari. *Fil.* longitudine corollæ.

V. racemo terminali subspicato, foliis ovatis glabris crenatis. *Willd. sp. pl.* 1. *p.* 64. *serpyllifolia.*
Icon. *Fl dan.* 492.
On road sides and in dry woods, common. ♃. May—Aug. *v. v.* Creeping; flowers pale with blue stripes.

3. V. racemis lateralibus, foliis ovatis planis, caule repente. *Willd. sp. pl.* 1. *p.* 64. *Beccabunga.*
Icon. *Engl. bot.* 655. *Fl. dan.* 511.
In rivulets and springs; Pensylvania to Virginia, rare. ♃. June, July. *v. v.* Leaves shining green, blunt; flowers large, blue.

6. V. racemis lateralibus, foliis lanceolatis serratis, caule erecto. *Willd. sp. pl.* 1. *p.* 65. *Anagallis.*
Icon. *Engl. bot.* 781. *Fl. dan.* 903.
In ditches and rivulets, more common: Canada to Carolina. ♃. June—Aug. *v. v.* Leaves acute.

7. V. racemis lateralibus alternis: pedicellis pendulis, foliis linearibus. *Willd sp. pl.* 1. *p.* 65. *scutellata.*
Icon. *Engl. bot.* 782. *Fl. dan.* 69.
Var. foliis integerrimis et serratis.
In wet meadows on gravelly soil. ♃. July. *v. v.*
The American plant has longer leaves than any of the European specimens I have seen.

8. V. floribus solitariis foliisque cordatis subsessilibus, caule hirto. *Willd. sp. pl.* 1. *p.* 73. **arvensis.*
Icon. *Engl. bot.* 734. *Fl. dan.* 515.
Common in fields and cultivated grounds. ☉. May—Sept. *v. v.* Flowers blue, small.

9. V. floribus sessilibus, foliis lineari-lanceolatis dentatis integerrimisque, caule erecto. *Willd. sp. pl.* 1. *p.* 76. *peregrina.*
Vahl, enum. pl. 1. *p.* 85.
V. romana. *Linn. mant.* 317.
V. marylandica. *Murr. in com. gœt.* 1782. *p.* 11. *t.* 3.
V. caroliniana. *Walt. fl. car. p.* 61.
V. carnosula. *Lam. illustr.* 1. *p.* 47.
Icon. *Murr. l. c. Fl. dan.* 407.

In cultivated ground, common. ☉. May—Aug. *v. s. in Herbario Walteriano, necnon Gronoviano.* Very variable in habit. Flowers small, white.

19. GRATIOLA. *Gen. pl.* 37.

aurea. 1. G. foliis lato-linearibus sessilibus integerrimis 3-nerviis supra punctatis, pedunculis oppositis vix longitudine foliorum; filamentis castratis nullis.
G. officinalis. *Mich. fl. amer.* 1. *p.* 6.
G. caroliniensis. *Pers. ench.* 1. *p.* 14.
In sandy wet places, in the pine-barrens of New England, New Jersey and Carolina. ♃. Aug. *v. v.; v. s. in Herbario Banksiano.* Golden-pert.
Caulis bisulcatus, quadrangulus, basi ramosus. *Folia* basi dilatata, sessilia, acuta, glabra. *Pedunculi* longitudine foliorum, villosi. *Cal.* laciniis linearibus, apice glandulosis. *Cor.* aurea. *Tubus* hirsutus, medio ventricosus, obliquus. *Lab. superius* subrotundum, emarginatum: *inferius* æqualiter trifidum, laciniis oblongis: intermedia emarginata. *Faux* hirsuta. *Fil.* 2. longitudine tubi corollæ. *Stylus* staminibus longior. *Stigma* infundibuliforme, obliquum. *Capsula* ovata, vix longitudine calycis.

virginica. 2. G. foliis obovato-lanceolatis inferne attenuatis remote dentatis nervosis glabris; pedunculis alternis brevissimis, capsulis acuminatis calyce longioribus.
G. foliis lanceolatis obtusis subdentatis. *Gron. virg.* 3.
G. virginica. *Willd. sp. pl.* 1. *p.* 104.
G. acuminata. *Vahl. enum. pl.* 1. *p.* 92. *exclus. syn.*
In old ditches and pools from Pensylvania to Carolina. ♃. June, July. *v. v.; v. s. in Herb. Gronov.* Stem rooting at the joints; flowers yellowish white.

quadridentata. 3. G. foliis lineari-lanceolatis extrorsum remote pauci-dentatis, pedunculis longitudine foliorum, capsula calyce subulato triplo breviore. *Mich. fl. amer.* 1. *p.* 6.
G. ramosa. *Walt. fl. car. p.* 61.
G. virginica. *Lam. illustr.* 1. *p.* 54. *t.* 16. *f.* 2. *Vahl. enum. pl.* 1. *p.* 89.
In sandy wet fields, edges of ponds, &c. Carolina. ♃. June—Aug. *v. v.; v. s. in Herb. Walt.*

acuminata. 4. G. foliis lanceolatis serratis pubescentibus, pedunculis oppositis folio longioribus, calycis foliolis lin[illegible] longitudine capsulæ subglobosæ.

G. acuminata. *Walt. fl. car. p.* 61. nec *Vahl. enum.*
In ditches and pools: Pensylvania to Carolina. ♃. July, Aug. *v. v.; v. s. in Herb. Walt.* Flowers pale yellow, large. Caps. larger than any other.

5. G. foliis cordato-ovatis, floribus axillaribus subsessilibus caulequeque erecto pilosis. *Vahl. enum. pl.* 1. *p.* 94. *pilosa.*
G. peruviana. *Walt. fl. car. p.* 62.
In pine-barrens: Carolina and Georgia. ♃. June—August. *v. v.; v. s in Herb. Walt. et Banks.*
G. anagalloidea *Mich.* &c. *vid.* Lindernia.
G. repens *Swartz.* et Monniera *Mich. vid.* Herpestis.

20. ELYTRARIA. *Mich. fl. amer.* 1. *p.* 8.

1. E. squamis floriferis ovatis margine villosis, scapi foliisque lanceolatis integerrimis glabris. *Vahl. enum. pl.* 1. *p.* 106. *Mich. fl. amer.* 1. *p.* 9. *virgata.*
Justicia acaulis γ. *Willd. sp. pl.* 1. *p.* 84.
Anonymos caroliniensis. *Walt. fl. car.* 60.
Tubiflora caroliniensis. *Gmel. syst. nat.* 2. *p.* 1, 27.
Icon. *Mich. l. c. t.* 1.
In wet sandy woods of Lower Carolina. ♃. July, Aug. *v. v.* Flowers white, imbricated.

21. JUSTICIA. *Gen. pl.* 35.

1. J. spicis axillaribus, floribus confertis, pedunculis elongatis alternis, foliis lanceolatis. *Vahl. enum. pl.* 1. *p.* 146. *sub J. americana. Mich. fl. amer.* 1. *p.* 7. *pedunculosa.*
Dianthera americana. *Linn. syst. veg.* 64.
Dianthera ensiformis. *Walt fl. amer.* 63.
Justicia linearifolia. *Lam. illustr.* 1. *p.* 41.
Icon. *Pluk. alm. t.* 423. *f.* 5. *Water-willow.*
In bays and slow-flowing waters of the rivers St. Laurence, Oswego, Ohio, Kenhaway, &c. July, Aug. *v. v.; v. s. in Herb. Walt. et Gronov.*

2. J. spicis axillaribus terminalibusque pauciforis, floribus distantibus, bracteis linearibus, foliis lanceolato-oblongis. *Vahl. enum. pl.* 1. *p.* 143. *humilis.*
Dianthera ovata. *Walt. fl. car. p.* 63.
In swamps of Carolina and Florida. ♃. July, Aug. *v. s. in Herb. Walt.*

V. pedunculis axillaribus racemoso-verticillatis: pedicellis geminis, bracteis obovatis trifloris, foliis ovatis acutis, petiolis longissimis, caule sexangulari ramosissimo. *brachiata.*

On the islands of Roanoak river in North Carol[illegible]. July, Aug. *v. v.*

Caules plures, geniculati, hexagoni: angulis [illegible] sulcatis, brachiato-ramosissimi, glabri. *Fol*[illegible] sita, longe petiolata, ovato-oblonga, sensim [illegible] tegerrima, glabriuscula; nervis, venis, petiolisque te nue pilosa. *Ramuli floriferi* axillares, breves, foliosi. *Pedunculi* axillares gemini vel terni. *Bracteæ* duæ, obovatæ, altera minor. *Flores* 2–3. sessiles, rubelli. *Cal.* simplex, 5-fidus: laciniis subulatis. *Cor.* extus pilosa. *Tubus* tortuosus. *Limbus* resupinatus, 2-labiatus: labium superius obliquum, oblongum, acutum, plerumque emarginatum: *inferius* truncatum, 3–4-dentatum, fauce striatum. *Antheræ* 2. in singulo filamento. *Stigm.* bifidum. *Caps.* oblonga, compressa, mucronata. *Sem.* compressa, hispida, atrofusca.

22. PINGUICULA. *Gen. pl.* 40.

elatior. 1. P. nectario subulato obtuso corolla breviore, superne tubo ventricoso, scapo inferne villoso. *Vahl. enum. pl.* 1. *p.* 19. *Mich. fl. amer.* 1. *p.* 11.

P. cærulea. *Walt. fl. car. p.* 63.

In open swamps on the sands of Carolina and Georgia. ♃. May. *v. v.* Flowers of a beautiful amethystine colour.

lutea. 2. P. nectario subulato recurvo corolla campanulata breviore, fauce barbata, labiis dentatis, scapo subvilloso. *Vahl. enum. pl.* 1. *p.* 93. *Walt. fl. car. p.* 63. *Mich. fl. amer.* 1. *p.* 11.

P. campanulata. *Lam. in diar. hist. nat.* 1. *n.* 9. *p.* 336. *t.* 18. *f.* 1.

In pine-barrens of Lower Carolina. ♃. April, May. *v. s.* Flowers yellow; leaves obovate.

pumila. 3. P. nectario tubo breviore, corolla oblongiuscule tubulosa, scapo brevi glabello. *Mich. fl. amer.* 1. *p.* 11.

In open swamps of Georgia. ♃. May. +. Flowers small, purple.

acutifolia. 4. P. glaberrima, foliis erectis ovalibus acutissimis. *Vahl. enum. pl.* 1. *p.* 194. *Mich. fl. amer.* 1. *p.* 11.

In shady woods, near rivers about Lake N[illegible] ♃. July. +.

23. UTRICULARIA. *Gen. pl.* 41.

1. U. scapi foliis vesiculosis cylindricis divisis apice ramentaceis. *Vahl. enum. pl.* 1. *p.* 197. *Mich. fl. amer.* 1. *p.* 12. — *ceratophylla.*
   U. inflata. *Walt. fl. car. p.* 64.
   Floating in ponds and lakes of Virginia and Lower Carolina. June, July. *v. v.*; *v. s. in Herb. Walt.* Flowers yellow.

2. U. nectario conico, labio superiore lateribus reflexo longitudine palati, scapo stricto. *Vahl. enum. pl.* 1. *p.* 198. *Willd. sp. pl.* 1. *p.* 112. — *vulgaris.*
   Icon. *Fl. dan.* 138.
   In stagnant waters in the western parts of New York and Pensylvania. ♃. July. *v. v.* Flowers large, yellow, with red veins.

3. U. nectario gibbo carinato, corollarum fauce aperta. *Vahl. enum. pl.* 1. *p.* 199. *Willd. sp. pl.* 1. *p.* 112. — *minor.*
   Icon. *Fl. dan.* 128.
   In swamps and ditches, in the pine-barrens of New Jersey. ♃. Aug. *v. v.* Flowers small, deep yellow.

4. U. nectario obtuso, scapo subunifloro foliisque setaceis. *Vahl. enum. pl.* 1. *p.* 199. *Walt. fl. car. p.* 64. — *fibrosa.*
   In morasses of the pine-barrens of Carolina. July. *v. s. in Herb. Walt.* Stems purple; flowers orange.

5. U. nectario subulato recto labio superiore subæquante, scapo subbifloro, foliis setaceis. *Vahl. enum. pl.* 1. *p.* 200. *Lam. illustr.* 1. *p.* 50. — *biflora.*
   U. pumila. *Walt. fl. car. p.* 64.
   On the margin of ponds in Lower Carolina. July. *v. s. in Herb. Walt.* Flowers small, yellow.

6. U. nectario obtuso labio inferiore breviore; scapo subbifloro. — *subulata.*
   U. nectario subulato. *Gronov. virg.* 5. *exclus. syn. Clayt.*
   U. setacea. *Mich. fl. amer.* 1. *p.* 12. *Vahl. enum. pl.* 1. *p.* 201.
   In sandy wet places near ponds and rivers, from Canada to Carolina, common. ⊙. July, Aug. *v. v.*; *v. s. in Herb. Gronov.* Flowers small, bright yellow.

3. U. nectario carinato brevissimo, laciniis corollæ rotundis, scapo 2-3-floro. *Walt. fl. car. p.* 64. — *purpurea.*
   On the lakes and ponds in Carolina; I observed

it likewise in Pensylvania, on the Broad-n...
⊙. Aug. *v. v.* Flowers bright purple, small

cornuta. 8. U. nectario subulato porrecto, corollæ labium amplissimum, scapo subsessiliter bifloro. *Mich. amer.* 1. *p.* 12.
Near mountain lakes from Canada to Virginia. *v. v.* Flowers large, bright yellow.

gibba. 9. U. nectario gibboso, laciniis corollæ rotundatis, scapo subunifloro. *Willd. sp. pl.* 1. *p.* 113.
In boggy soil of New Jersey and Carolina. July. *v. v.; v. s. in Herb. Gronov.* Very small; flowers yellow.

24. LYCOPUS. *Gen. pl.* 44. Water-horehound.

europæus. 1. L. foliis inferioribus incisis, superioribus lanceolatis serratis, calycibus subspinescenti-acuminatis. *Mich. fl. amer.* 1. *p.* 14. *Willd. sp. pl.* 1. *p.* 120.
Near rivers and ponds from Canada to Virginia. ♃. July, Aug. *v. v.* Flowers white, small, in whorls.

virginicus. 2. L. foliis lato-lanceolatis serratis basi integra angustatis, calycibus brevissimis muticis. *Mich. fl. amer.* 1. *p.* 14.

quercifolius. β foliis sinuato-pinnatifidis.
In wet places from New England to Carolina; var. β in high mountain woods of Virginia. ♃. June, Aug. *v. v.* Flowers white; leaves smooth.

pumilus. 3. L. foliis lanceolatis subserratis glabris, stolonibus procumbentibus. *Vahl. enum. pl.* 1. *p.* 211.
L. uniflorus. *Mich. fl. amer.* 1. *p.* 14.
In Canada. ♃. Flowers solitary; stems low.

obtusifolius. 4. L. foliis lanceolatis remote obtuse serratis. *Vahl. enum. pl.* 1. *p.* 212.
At Hudson's Bay. *Michaux.* ♃. +.

25. MONARDA. *Gen. pl.* 48.

didyma. 1. M. glabriuscula, capitulis magnis proliferis, bracteis exterioribus coloratis magnis oblongis acuminatis subintegerrimis: calycibus corollisque longis glabriusculis foliis lato-ovatis subcordatis acuminatis serr... sis: serraturis mucronatis, caule acutangulo...
M. didyma. *Willd. sp. pl.* 1. *p.* 125.
M. purpurea. *Lam. encycl.* 4. *p.* 256.

M. coccinea. *Mich. fl. amer.* 1. *p.* 16.
Icon. *Mill. ic. t.* 183. *f.* 1. *Bot. mag.* 546. *Oswego-tea.*
In rivulets on the high mountains of North Carolina. *Michaux.* ♃. June—Sept. *v. v. in Hortis.* Flowers long, scarlet.

2. M. sparse hirsuta, capitulis magnis simplicibus, bracteis exterioribus coloratis lanceolatis attenuatis, calycibus corollisque pubescentibus, corollis longissimis, foliis oblongis attenuatis serratis undique pilis sparsis hirsutis, caule acutangulo petiolisque ciliato-piloso. *Kalmiana.*
In boggy woods in black rich soil, near Onondago and Oswego, New York. ♃. *v. v.; v. s. spec. Kalmianum in Museo Banksiano, sub nomine* M. *didymæ.* Flowers very long, beautiful crimson; leaves somewhat fragrant; stems double the size of M. *didyma.*

3. M. glabriuscula, capitulis mediocribus simplicibus, bracteis exterioribus oblongis, calycibus glabriusculis, foliis ovatis subcordatis acutis rugosis glabris, nervis subtus coloratis pilosis, caule acutangulo hirto. *rugosa.*
M. rugosa. *Ait. hew. ed.* 2. 1. *p.* 51.
In Canada. ♃. July—Sept. *v. s. in Museo Banksiano.* Flowers small, white.

4. M. glabra, capitulis parvis simplicibus terminalibus, bracteis exterioribus lato-ovatis acutis integerrimis glabriusculis, calycibus brevibus ciliatis, corollis pubescentibus tenuibus, foliis ovato-oblongis acuminatis serratis pilosiusculis, caule obtusangulo glabro. *clinopodia.*
M. clinopodia. *Willd. sp. pl.* 1. *p.* 125. *excl. syn. Gronov.*
M. glabra. *Lam. encycl.* 4. *p.* 256?
In dry gravelly soil from Canada to Carolina, particularly on the mountains. ♃. July—Sept. *v. v.* Flowers yellow with purple specks.
The specimen of Gronovius in the Banksian Museum is *Clinopodium incanum.*

5. M. glaberrima, capitulis parvis audiusculis lateralibus terminalibusque, bracteis exterioribus linearibus ciliatis, calycibus pubescentibus ciliatis, corollis brevibus tenuissimis glabris, foliis lineari-lanceolatis acuminatis serratis glabris, caule obtusangulo glabro. *gracilis.*
In th[illegible] mountains of South Carolina and Virginia. *v. v.;* [illegible] *in Herb. Lyon.* Flowers yellowish white.

3. [illegible] abriuscula, capitulis magnis foliosis, bracteis exterioribus magnis coloratis lato-ovatis acuminatis ser- *purpurea.*

ratis, calycibus coloratis fauce barbatis, corollis glabriusculis, foliis ovato-oblongis acutis grosse dentatis: nervis undique pilosis, caule acutangulo glabro.
M. clinopodia. *Vahl. enum. pl. 1. p. 218. descr.*
M. fistulosa var. crimson. *Bot. mag. 145.*
Icon. *Bot. mag. 145.*
In the mountains of Virginia. ♃. July—Sept. *v. v. s. in Herb. Lambert.* Flowers crimson, large.

oblongata. 7. M. undique hirsuta, capitulis simplicibus, bracteis exterioribus ovatis acutis, calycibus brevibus fauce barbatis: dentibus divaricatis, caule obtusangulo superne hirsuto.
M. oblongata. *Ait. kew. ed. 2. 1. p. 51.*
M. longifolia. *Lam. encycl. 4. p. 255.*
Frequent in the mountains of Pensylvania and Virginia. ♃. July, August. *v. v.* Flowers pale purple.

mollis. 8. M. cano-pubescens, capitulis simplicibus, bracteis exterioribus cordato-ovatis acutis, calycibus brevibus fauce dense barbatis, corollis hirsutis: galea apice longissime barbata, foliis oblongis attenuatis basi rotundatis serratis utrinque cano-pubescentibus, caule acutangulo hirsuto.
M. mollis. *Lin. amœn. acad. 3. p. 399.*
M. fistulosa β. *Willd. sp. pl. 1. p. 124.*
M. allophylla. *Mich. fl. amer. 1. p. 16.*
In the mountains of Virginia and Carolina. ♃. July—Sept. *v. v.* Flowers pale purple.

fistulosa. 9. M. villis sparsis hirsuta, capitulis simplicibus proliferisque foliosis, bracteis exterioribus oblongis acutis glabriusculis, calycibus longis barbatis, corollis hirsutis mediocribus, foliis ovatis acuminatis serratis, petiolis longis ciliatis, caule obtusangulo glabro.
M. fistulosa. *Willd. sp. pl. 1. p. 124.*
Icon. *Mill. icon. t. 122. f. 2.*
In hedges and woods, from Canada to Carolina, common. ♃. July—Sept. *v. v.* Flowers purplish.

punctata. 10. M. glabriuscula, floribus mediocribus verticillatis, bracteis lanceolatis nervosis coloratis verticillo longioribus, foliis lanceolato-oblongis remote serratis glabris, caule obtusangulo villoso-canescente.
M. punctata. *Willd. sp. pl. 1. p. 126.*
M. lutea. *Mich. fl. amer. 1. p. 16.*
Icon. *Pluk. alm. t. 24 f. 1. Bot. rep. t. 54[illegible]*

In sandy fields from New Jersey to Carolina. ♃. June —August. *v. v.* Flowers yellow, punctated.

11. M. hirsuta, floribus parvis verticillatis; bracteis ovatis glabris venosis ciliatis calycem æquantibus, foliis ovato-oblongis attenuatis subsessilibus serratis subpilosis, caule acutangulo hirsuto. *ciliata.*

M. ciliata. *Willd. sp. pl.* 1. *p.* 126.

On slate hills in Virginia and Carolina. ♃. June—Aug. *v. v.* Flowers small, blue.

12. M. undique pilis longis albidis hirsutissima, floribus parvis verticillatis, bracteis brevissimis oblongis acuminatis, calycibus longe aristatis, foliis ovatis acuminatis serratis longe petiolatis, caule acutangulo hirsuto. *hirsuta.*

M. ciliata. *Mich. fl. amer.* 1. *p.* 16.

In high mountains of North Carolina and Virginia. ♃. August. *v. v.* Flowers small, very pale purple.

26 SALVIA. *Gen. pl.* 50. Sage.

1. S. foliis lineari-lanceolatis inferioribus extrorsum serratis cauleque glabris, calyce pubescente brevissime trifido. *azurea.*

S. azurea. *Lam. encycl.* 6. *p.* 625.

S. acuminata. *Vent. cels. p.* 50.

S. angustifolia. *Mich. fl. amer.* 1. *p.* 15.

S. mexicana. *Walt. fl. car. p.* 65.

Icon. *Vent. cels. p.* 50.

β *Lam. encycl.* 6. *p.* 625. elata.

In open sandy situations of Carolina and Georgia. ♃. July—Sept. *v. v.* Flowers beautiful blue, sometimes white.

2. S. foliis cordatis acutis tomentosis serratis, corollis calyce duplo longioribus angustioribus. *Willd. sp. pl.* 1. *p.* 141. *coccinea.*

Icon. *Murr. in com. gœt.* 1778. *p.* 86. *t.* 2.

On the banks of rivers in Florida. ♃. July—Sept. *v. v.* Flowers scarlet.

3. S. foliis lanceolatis serratis, floribus in racemis terminalibus oppositis, corollis calyce trifido subæquantibus, caule brachiato-ramosissimo. *trichostemmoides.*

In open plains of the Missouri river. *M. Lewis.* ⊙. *v. s. in Herb. Lewis.*, Flowers small, sky-blue.

Caulis erectus ramosissimus: ramuli tetragoni 4-sulcati.

Folia opposita, brevi-petiolata. *Flores* oppositi, in racemulis foliosis. *Bracteæ* vel folia floralia lineares, longitudine pedicellorum. *Cal.* tubuloso-campanulatus, acutus, sissi-

striatus, hispidus. *Lab.* superius subrotundum, integrum: inferius 2-fidum: laciniis oblongis, acutis. *Corollæ* labium superius subrotundum, concavum: inferius 3-lobum, laciniis lateralibus brevissimis: intermedia major, dilatata, undulatim-crenata. *Stylus* corollæ duplo longior. *Sem.* 3-gona, glabra, venosa. Habitus *Trichostemmæ dichotomæ.*

urticifolia. 4. S. villoso-viscosa, foliis ovatis oblongis dentatis, per petiolum decurrentibus. *Vahl. enum. pl.* 1. *p.* 201. *Willd. sp. pl.* 1. *p.* 131.
Icon. *Moris. hist.* 3. *s.* 11. *t.* 13. *f.* 31.
In the mountains of Virginia and Carolina. ♃
Aug. *v. v.* Flowers blue, viscous.

lyrata. 5. S. foliis radicalibus lyratis dentatis, corollarum galea brevissima, caule subaphyllo retrorsum piloso. *Vahl. enum pl.* 1. *p.* 257. *Willd. sp. pl.* 1. *p.* 128.
Icon. *Moris. hist.* 3. *s.* 11. *t.* 13. *f.* 27.

obovata. β foliis obovatis repando-dentatis.
Icon. *Dill. elth.* 219. *t.* 175. *f.* 216.
In meadows from Canada to Carolina. ♃. May. *v. v.* Flowers blue.
A number of varieties are comprehended under this species, which probably may prove to be distinct species. In the Banksian Museum, among the plants of Gronovius, is one of those under the name of S. *verbenaca.*

27. COLLINSONIA. *Gen. pl.* 51. Horse-weed.

canadensis. 1. C. foliis lato-cordato-ovatis, glabris, calycis dentibus brevi-subulatis, panicula terminalis composita.
C. canadensis. *Willd. sp. pl.* 1. *p.* 152.
Icon. *Linn. hort. cliff.* 14. *t.* 5.

cordata. β foliis lato-cordatis, superioribus integerrimis.

ovata. γ foliis ovatis basi attenuatis omnibus serratis.
In shady woods, rocky rich soil from Canada to Carolina. ♃. July—Sept. *v. v.*; *var.* β *v. s. in Herb. Lambert.* Flowers yellow, large.

scabra. 2. C. foliis minoribus ovatis sub-cordatis pilosiusculis, calycis dentibus brevi-subulatis, panicula terminalis simplici-uscula, caule piloso scabro.
C. scabriuscula. *Ait. kew. ed.* 2. 1. *p.* 66.
C. præcox. *Walt. fl. car. p.* 65.
In Carolina and Florida. ♃. July—Sept. *v. v.* *Banks.* Flowers small, reddish-yellow.

In the collection of Mr. Lyons is a specimen, nearly allied to the present one, with larger flowers and four stamina.

3. C. foliis oblongo-ovalibus utrinque subacutis glabris, petiolis longissimis, calycis dentibus brevissimis, paniculæ terminalis simplex nudiuscula, caule glabro. *ovalis.*
In South Carolina. *Fraser.* ♃. Aug. *v. s. in Herb. Lambert.* Flowers very small, yellow.

4. C. foliis subrhombeo-ovalibus utrinque acutis glabris, calycis dentibus setaceis tubo longioribus, panicula composita foliosa, caule ramoso subvilloso. *tuberosa.*
C. tuberosa. *Mich. fl. amer.* 1. *p.* 17.
C. serotina. *Walt. fl. car. p* 63.
In shady wet woods of Carolina. ♃. Sept. Flowers small, yellow?

5. C. foliis ovatis cordatis rugosis glabriusculis, nervis subtus pubescentibus, calycis dentibus linearibus tubum subæquantibus, panicula composita foliosa pubescente, floribus tetrandris, caule ramoso pubescente. *anisata.*
Icon. *Bot. mag. t.* 1213.
In the mountains of Georgia. *Lyon.* ♃. July, Aug. *v. v.* Flowers large, pale yellow.

28. CIRCÆA. *Gen. pl.* 31. Enchanter's nightshade.

1. C. caule erecto, foliis ovatis denticulatis opacis glabriusculis. *Vahl. enum pl.* 1. *p.* 301. *lutetiana: canadensis.*
Icon. *Engl. bot.* 1056?
In shady woods from Canada to Carolina. ♃. June, July. *v. v.* Flowers small, reddish white.

2. C. caule adscendente, foliis cordatis dentatis nitidis, calyce membranaceo. *Vahl. enum. pl.* 1. *p.* 301. *alpina.*
Icon. *Engl. bot.* 1057.
In high mountain woods, on rotten trees and rocks, from Canada to Carolina. ♃. July, Aug. *v v.* Smaller, very smooth; flowers reddish-white.

29. CERATIOLA. *Mich. fl. amer.* 2. *p.* 221.

1. Ceratiola. *Willd. sp. pl* 4. *p* 712. *Mich. l. c. p.* 222. *ericoides.*
In gravelly dry soil of Georgia and Florida; in great plenty on the Islands in the mouth of St. Mary's River. ♄. —— *v. v. s. fl.; v. s. c. fl. in Herb. Fraser.*
Leaves verticillate; flowers very small; resembles a Heath very much.

30. BORYA. *Willd. sp. pl.* 4. *p.* 711.

porulosa. 1. B. foliis oblongo-lanceolatis obtusis sessilibus margine revolutis subtus punctatis. *Willd.*
Adelia porulosa. *Mich. fl. amer.* 2. *p.* 224.
On the coast of Georgia and Florida. ♄. *v. v.*

ligustrina. 2. B. foliis ovato-lanceolatis acutis subsessilibus branaceis. *Willd. l. c.*
Adelia ligustrina. *Mich. l. c.*
In woods on river-sides in the Illinois country. July, Aug. *v. s. in Herb. Lyon.*

acuminata. 3. B. foliis ovato-lanceolatis utrinque attenuatis petiolati membranaceis serrulatis. *Willd. l. c.*
Adelia acuminata. *Mich. l. c. p.* 225.
Icon. *Mich. l. c. t.* 48.
On banks of rivers in Carolina and Georgia. ♄. *v. s. in Herb. Lyon.*

31. LEMNA. *Gen. pl.* 1400. Duck-weed.

minor. 1. L. foliis ellipticis utrinque planis basi cohærentibus, radicibus solitariis. *Willd. sp. pl.* 4. *p.* 195.
Icon. *Engl. bot. t.* 1095.
In ditches and stagnant waters, common. ⊙. June, July. *v. v.* Floating; flowers exceeding small.

gibba. 2. L. foliis ellipticis subtus bullato-convexis basi cohærentibus, radicibus solitariis. *Willd. l. c.*
Icon. *Engl. bot. t.* 1233.
In similar situations, rare. ⊙. June, July. *v. v. c. fl.* Observed near Liverpool in the western part of New York State.

polyrhiza. 3. L. foliis ellipticis planis basi cohærentibus, radicibus fasciculatis. *Willd. sp. pl.* 4. *p.* 195.
Icon. *Vail. par. t.* 20. *f.* 2.
Common in ditches, &c. ⊙. July, Aug. *v. v. s. fl.*

III. TRIANDRIA.

I. MONOGYNIA.

* *Flores superi, completi.*

32. VALERIANA. *Cor.* 1-petala, sæpe calcarata. *Sem.* calyce corticatum, coronatum.
33. FEDIA. *Cal.* 3-4-dentatus. *Cor.* 5-fida. *Caps.* coronata, 3-locularis : loculamento 1. fertili.

** *Flores superi, incompleti.*

34. TRIPTERELLA. *Cor.* 6-fida : laciniis alternis minutis ; tubo basi ventricoso.
35. IXIA. *Cor.* 6-partita, patens, æqualis tubo recto.
36. IRIS. *Cor.* 6-partita : petalis alternis reflexis, alternis conniventibus. *Stigm.* 3. petaliformia.
37. DILATRIS. *Cor.* 6-petaloidea, hirsuta. *Stigm.* 3-fidum.
38. SISYRINCHIUM. *Spatha.* *Petala* 3. plana. *Fil.* connata.

*** *Flores inferi.*

39. BOERHAVIA. *Cal.* tubulosus. *Cor.* 1-petala. *Sem.* 1.
40. COMMELINA. *Cal.* 3-phyllus. *Cor.* 3-petala. *Nectar.* staminiforme. *Cryps.* 3-locularis.
41. SYENA. *Cal.* 3-phyllus. *Cor.* 3-petala. *Caps.* 1-locularis, 3-valvis.
42. HETERANTHERA. *Spatha* 1-flora. *Cor.* tubulosa : limbo 6-partito : laciniis subæqualibus. *Stigm.* tubulosum.
43. SERPICULA. *Spatha* 1-flora. *Cor.* tubulosa : limbo 6 partito : laciniis æqualibus. *Stigm.* 3. ligulata.
44. XYRIS. *Cal.* cartilagineo-glumaceus, 3-valvis., *Cor.* 3-petala. *Caps.* 1-locularis, 3-valvis.

**** *Flores glumacei.*

45. SPARGANIUM. *Amentum* subrotundum. *Cal.* 3-phyllus. *Cor.* 0. *Stigm.* 2-fidum. *Drupa* 1-sperma. *Monoicum.*

46. TYPHA. *Amentum* cylindricum. *Cal.* obsoletus. *Sem.* 1. pedicellatum basi papposum. *Monoicum.*

47. CAREX. *Amentum* imbricatum. *Cal.* squama. *Stigm.* 2–3. *Semen* tunicatum, 3-quetrum. *Monoicum.*

48. SCLERIA. *Cal.* gluma 2—6-valvis. *Stigm.* 1—3. *Nux* colorata subglobosa. *Monoicum.*

49. ZEA. *Cal.* gluma 2-flora, 2-valvis. *Spadix* simplex, cylindricus: gluma 2-valvis, 1-flora. *Sem.* subrotundum. *Monoicum.*

50. KYLLINGIA. *Flores* distincti, in spicam subimbricati. *Cal.* 2-valvis, 1-florus. *Cor.* 2-valvis, calyce major. *Stylus* bifidus.

51. MAPANIA. *Flores* capitati. *Cal.* 6-valvis. *Cor.* 0. *Sem.* 1.

52. DICHROMENA. *Cal.* squamæ in spicam undique imbricatæ, inferiores vacuæ. *Cor.* 0. *Styl.* basi persistens. *Setæ* 0.

53. SCHŒNUS. *Cal.* squamæ in spicam fasciculatæ, inferiores vacuæ. *Cor.* 0. *Styl.* deciduus.

54. RYNCHOSPORA. *Cal.* squamæ in spicam fasciculatæ, inferiores vacuæ. *Cor.* 0. *Styl.* basi persistens. *Setæ* basi seminis.

55. FIMBRISTYLIS. *Cal.* squamæ in spicam undique imbricatæ. *Cor.* 0. *Stylus* basi bulbosus, ciliatus, deciduus.

56. CYPERUS. *Cal.* squamæ in spicam distiche imbricatæ *Cor.* 0. *Styl.* deciduus.

57. DULICHIUM. *Cal.* squamæ in spicam distiche imbricatæ: spiculis racemosis, ex axillis foliorum. *Cor.* 0. *Stylus* longissimus, 2-fidus.

58. SCIRPUS. *Cal.* squamæ in spicam undique imbricatæ. *Cor.* 0. *Styl.* filiformis, imberbis, deciduus. *Sem.* 1. nudum s. setulis cinctum.

59. TRICHOPHORUM. *Cal.* squamæ in spicam undique imbricatæ. *Cor.* 0. *Styl.* deciduus. *Sem.* setis (6—9) longissimis calyculatum.

60. ERIOPHORUM. *Cal.* squamæ in spicam undique imbricatæ. *Cor.* 0. *Sem.* lana longissima calyculatum.

61. VAGINARIA. *Cal.* squamæ in spicam undique im-

bricatæ. *Stigm.* 3. *Seminis* involucellum alternatim tripileaceum et trisetum.

62. FUIRENA. *Cal.* squamæ mucronatæ in spicam undique imbricatæ. *Sem.* involucellum latum, paleæforme, sæpius aristatum.

63. MARISCUS. Flores distincti, in spicam subimbricati. *Cal.* 2-valvis, subtriflorus. *Corollulæ* 1-valves, inferior superiorem amplectens. *Styl.* 3-fidus.

64. MIEGIA. *Cal.* multiflorus, 2-valvis. *Cor.* 2-valvis, mutica. *Appendices* bini, lato-lanceolati. *Stigm.* 3. *Sem.* nudum, maximum.

65. LIMNETIS. *Spica* lateriflora: flosculis subbifariam imbricatis. *Cal.* 2-valvis: valv. altera minore. *Cor.* 2-valv. mutica, compressa, carinata. *Styl.* longus.

66. CENCHRUS. *Involucr.* laciniatum, echinatum, 3–4 florum. *Cal.* 2-valvis, 2-florus. *Cor.* 2-valvis, mutica. *Styl.* 2-fidus.

67. ORYZOPSIS. *Cal.* 2-valvis, 1-florus. *Cor.* 2-valvis: exteriore aristata. *Nectar* 2-phyllum.

II. DIGYNIA.

* *Flores uniflori, vagi.*

68. ZIZANIA. *Cal.* 0. *Cor.* 2-valvis: valva exteriore aristata. *Stam.* 6. *Monœcum.*

69. MUHLENBERGIA. *Cal.* minutissimus, 1-valvis. *Cor.* 2-valvis, basi pilosa: valv. exteriore apice aristata.

70. TRICHODIUM. *Cal.* 2-valvis: valvis subæqualibus acutis. *Cor.* 1-valvis, brevior, mutica. *Stigm.* subsessilia.

71. LEERSIA. *Cal.* 0. *Cor.* 2-valvis, clausa: valv. compressis, muticis.

72. MILIUM. *Cal.* 2-valvis: valvis ventricosis, corolla majoribus, subæqualibus. *Cor.* 2-valv. brevissima. *Stigm.* villosa.

73. AGROSTIS. *Cal.* 2-valvis: valvis acutis corolla brevioribus. *Cor.* 2-valvis.

74. ANTHOXANTHUM. *Cal.* 2-valvis. *Cor.* 2-valvis, acuminata, aristata. *Stam.* 2.

75. PHALARIS. *Cal.* 2-valvis: valvis carinatis, æqualibus. *Cor.* 2-valvis, inclusa, basi pilosa.

76. PHLEUM. *Cal.* 2-valvis, truncatus, mucronatus, sessilis. *Cor.* inclusa.

77. ALOPECURUS. *Cal.* 2-valvis. *Cor.* 1-valvis, aristata. *Spica.*

78. PANICUM. *Cal.* 3-valvis: valvula tertia dorsali minima. *Cor.* 2-valvis.

79. DIGITARIA. *Cal.* 2–3-valvis, concavus. *Cor.* 2-valvis, oblongo-ovata, teres, mutica. *Nectar.* fissum. *Spicæ* digitatæ: flores gemini.

80. CYNODON. *Cal.* 2-valvis, patens, lanceolatus. *Cor.* major, 2-valvis: valv. exteriore maxima ovoidea. *Nectar.* truncatum. *Spicæ* digitatæ: floribus solitariis.

81. PASPALUM. *Cal.* 2-valvis: valvis subrotundis, figura corollæ. *Flores* unilaterales.

82. ARISTIDA. *Cal.* 2-valvis. *Cor.* 1-valvis: aristis tribus terminalibus.

83. STIPA. *Cal.* 2-valvis. *Cor.* 2-valvis: valvis involutis truncatis. *Arista* terminalis, basi contorta, longissima.

84. SACCHARUM. *Cal.* 2-valvis: valvis basi villis densis involucrata. *Cor.* 2-valvis: valva interiore longe aristata. *Monandra.*

85. ANDROPOGON. *Flores* gemini: altero masculo. *Cal.* 2-valvis. *Cor.* 3-valvis: valv. secunda minore aristata, tertia intima minuta. *Recept.* plerumque villosum. *Involucrum* villis fasciculatis.

** *Flores biflori, vagi.*

86. ATHEROPOGON. *Cal.* 1-valvis, biflorus. *Cor.* 2-valvis: valvula exteriore 3-aristata. *Polygamum.*

87. TRICETUM. *Cal.* 2–3-florus, acuminatus, carinatus. *Cor.* aristis 2. terminalibus, 1. dorsali recta nec contorta, *flosc.* glabris.

88. ANTHISTIRIA. *Cal.* 4-valvis, 2—4-flora. *Cor.* 2-valvis. *Arista* tortilis e fundo corollæ. *Polygamum.*

89. AIRA. *Cal.* 2-valvis. *Cor.* 2-valvis. *Floscvli* absque rudimento tertii.

90. MELICA. *Cal.* 2 valvis, coloratus, obtusus. *Cor.* 2-valvis, ventricosa. *Rudimentum* tertii inter flores.

91. HOLCUS. *Cal.* 2-valvis. *Cor.* minor: valv. altera aristata. *Nectar.* 2-partitum. *Polygamum.*

92. SORGHUM. *Flores* gemini: altero pedicellato, masculo. *Cal.* 2-valvis. *Cor.* 3-valvis: valv. secunda aristata, tertia nectaria villosa connectens. *Polygamum.*

**** Flores multiflori, vagi.*

93. POA. *Cal.* 2-valvis. *Spicula* ovata mutica: valvulis margine scariosis.

94. BRIZA. *Cal.* 2-valvis. *Spiculæ* distichæ: valvulis ventricosis, cordatis, obtusis: interiore minuta.

95. UNIOLA. *Cal.* multivalvis. *Spiculæ* ancipites ovatæ: valvulis muticis, interiore minore, intra exteriorem recumbente.

96. FESTUCA. *Cal.* 2-valvis. *Spicula* oblonga, teretiuscula: valvulis mucronatis.

97. DACTYLIS. *Cal.* 2-valvis, carinatus: valvula altera longiore. *Cor.* 2-valvis. *Spic.* aggregatæ.

98. BROMUS. *Cal.* 2 valvis. *Spicula* oblonga, disticha: arista infra apicem sæpius bifidum.

99. KOELERIA. *Cal.* 2-valvis, compresso-carinatus. *Cor.* 2-valvis, brevi-aristata: glumis nervosis.

100. AVENA. *Cal.* 2-valvis: arista dorsali, contorta.

101. ARUNDO. *Cal.* 2-valvis, glaber. *Cor.* lana cincta.

***** Flores spicati: receptaculo subulato.*

102. ELEUSINE. *Spicæ* digitatæ. *Flor.* secundi, mutici. *Cal.* multiflorus. *Cor.* 2-valvis, mutica.

103. CHLORIS. *Spica* digitata, unilateralis. *Cal.* 2-valvis, 2—6-florus: valv. carinatæ muticæ aut aristatæ. *Polygamum.*

104. ROTTBOELLIA. *Rachis* articulata, teretiuscula. *Cal.* ovato-lanceolatus, planus, uni- vel bivalvis. *Cor.* minor, 2-valvis. *Flosc.* alterni in rachi flexuoso. *Polygamum.*

105. TRIPSACUM. *Mas. Cal.* gluma 2-flora, exteriore mascula. *Cor.* gluma membranacea. *Fem. Cal.* gluma 1-flora, involucro tecto monophyllo, sinubus perforato. *Cor.* gluma 2-valvis.

106. ELYMUS. *Cal.* involucriformis 4-phyllus, lateralis, 2-valvis, aggregato-ternus multiflorus.

107. HORDEUM. *Cal.* 1—2-florus, hexaphyllus, involucriformis. *Flosc.* terni, intermedio sessili, lateralibus stipitatis. *Cor.* 2-valvis.

108. SECALE. *Cal.* oppositus, 2-valvis, aut multiflorus, solitarius.

109. TRITICUM. *Cal.* 2-valvis, solitarius, multiflorus. *Floribus* obtusiusculis.

III. TRIGYNIA.

110. HOLOSTEUM. *Cor.* 5-petala. *Cal.* 5-phyllus. *Caps.* apice dehiscens.

111. POLYCARPON. *Cor.* 5-petala. *Cal.* 5-phyllus. *Caps.* 3-valvis.

112. LECHEA. *Cor.* 3-petala. *Cal.* 5-phyllus. *Caps.* 3-cocca.

113. ERIOCAULON. *Cor.* 3-petala. *Cal.* compositus. *Sem.* 1. coronatum corolla.

114. MOLLUGO. *Cor.* 0. *Cal.* 5-phyllus. *Caps.* 3-locularis.

115. PROSERPINACA. *Cor.* 0. *Cal.* 3-partitus. *Nux* 3-locularis, infera.

IV. POLYGYNIA.

116. EMPETRUM. *Cal.* 3—5-part. *Cor.* 3-petala. *Styl.* 9. *Bac.* 9-sperma.

I. *MONOGYNIA.*

32. VALERIANA. *Gen. pl.* 60.

pauciflora. 1. V. foliis radicalibus pinnatis, caulinis ternatis: foliolis ovalibus acutis serratis, paniculis laxis pauciforis. *Mich. fl. amer.* 1. *p.* 18.
In shady woods on the Allegany mountains: Tennassee. ♃. June, July. *v. v.* Flowers white.

33. FEDIA. *Gært. de fr. et sem.* 2. *p.* 36.

radiata. 1. F. foliis spathulato-oblongis subintegris, fructu pubescente subtetragono apice nudo. *Mich. fl. amer.* 1. *p.* 18.
Valeriana locusta radiata. *Linn. sp. pl.* 48.
In fields from Pensylvania to Carolina; very plentifully in Virginia. ☉. June, July. *v, v.*

34. TRIPTERELLA. *Mich. fl. amer.* 1. *p.* 19.

capitata. 1. Tripterella. *Mich. l. c.*
Anonymos capitatus. *Walt. fl. car.* 68.

Vogelia capitata. *Gmel. syst. nat. 2. p. 107.*
Icon. *Mich. l. c. t. 3.*
In wet places, borders of ponds, &c. in Lower Carolina.
⊙. May—July. *v. v.* Stem filiform; flowers white, in a small head.

35. IXIA. *Gen. pl. 76.*

1. I. foliis linearibus subulatis scapo unifloro multoties brevioribus. *Willd. sp. pl. 1. p. 200.* — *cœlestina.*
Icon. *Bartr. it. 152. t. 3.*
Found by Mr. W. Bartram in South Carolina and Georgia. ♃. Flowers bright blue.

36. IRIS. *Gen. pl. 97.* Flag.

1. I. barba cristata, caule brevissimo compresso subunifloro, foliis gladiatis longitudine florum, laciniis corollarum æqualibus. — *cristata.*
I. cristata. *Ait. kew. ed. 2. 1. p. 117. Willd. sp. pl. 1. p. 225.*
I. virginiana pumila. *Pluk. alm. 198. t. 196. f. 6.*
Icon. *Bot. mag. 412.* *Ladies' Calamus.*
On the banks of rivers in rocky situations in the mountains of Virginia and Carolina. ♃. May. *v. v.* Flowers blue, handsomely crested with yellow.
The roots of this species when chewed are very remarkable; they at first occasion a pleasant sweet taste, which in a few minutes turns to a burning sensation, by far more pungent than Capsicum. The hunters of Virginia, notwithstanding those properties, use it very frequently to alleviate thirst.

2. I. imberbis, caule ancipiti multifloro foliis altiore, foliis ensiformibus, stigmatibus petalis interioribus brevioribus, capsulis oblongis; angulis sulcatis. — *virginica.*
I. virginica. *Willd. sp. pl. 1. p. 232.*
I. hexagona. *Walt. fl. car. 66.*
Icon. *Bot. mag. 703. Jacq. ic. rar. 2. t. 223. Dill. elth. t. 155. f. 188.*
On river sides and near ponds from New York to Florida. ♃. June, July. *v. v.* Flowers beautiful purple, with the bottom of the outside petals yellow.

3. I. imberbis, caule tereti flexuoso folia æquante, foliis ensiformibus, stigmatibus petalis interioribus æquantibus, capsulis ovatis; angulis obtusis. — *versicolor.*
I. versicolor. *Willd. sp. pl. 1. p. 233.*

Icon. *Bot. mag.* 21. *Dill. elth. t.* 155. *f.* 187
Very common in wet places, and on the banks of rivers from Canada to Carolina. ♃. June, July. Flowers purple, stigmata white.

cuprea. 4. I. imberbis, caule tereti flexuoso folia æquante, foliis lato-ensiformibus, stigmatibus linearibus, petalis omnibus reflexis emarginatis obovatis, interioribus brevioribus, capsulis magnis hexagonis.
On the banks of the Mississippi near New Orleans, covered by Mr. Enslen, Collector to the Prince of Tenstein of Austria. ♃. July. *v. v.* Flowers of a beautiful copper colour, veined with purple.

tridentata. 5. I. imberbis, caule tereti foliis longiore, foliis ensiformibus, rudimentis petalorum interiorum tridentatis, denticulo medio acuminato, capsulis trigonis.
I. tripetala. *Walt. fl. car.* 66.
On the sea shore of Lower Carolina. *Walter.* ♃. Flowers blue, with purple veins.

verna. 6. I. imberbis, acaulis, uniflora, foliis longissimis gramineis glaucis, tubo longissimo, petalis subæqualibus, capsulis subrotundis ad terram sessilibus.
I. verna. *Willd. sp. pl.* 1. *p.* 235. *excl. syn. Pluk.*
On high mountains of Virginia and Kentucky; plentifully on the Cacapoon mountains near Winchester. ♃. April, May. *v. v.* Flowers pale blue, striped with purple.

sibirica. 7. I. imberbis, caule fistuloso tereti foliis altiore subtrifloro, foliis linearibus; capsulis abbreviato-trigonis utrinque obtusis.
I. sibirica *Willd. sp. pl.* 1. *p.* 237.
Icon. *Bot. mag.* 50. *Jacq. austr.* 1. *t.* 3.
On the banks of the Missouri. *M. Lewis.* ♃. July. *v. v.*; *v. s. in Herb. Lewis.* Flowers blue.

prismatica. 8. I. imberbis, caule solido tereti folia æquante, foliis angustissimis longis, capsulis elongato-prismaticis utrinque acutis.
In deep swamps of New Jersey, near Egg harbour. ♃. July. *v. v.* Flowers pale purple.

37. DILATRIS. *Gen. pl.* 82.

tinctoria. 1. D. petalis lanceolatis extus villosis, panicula corymbosa tomentosa, foliis longis nudis linearibus.
D. caroliniana. *Lam. illustr.* 1. *p.* 127.

Anonymos tinctoria. *Walt. fl. car.* 68.
Heritiera Gmelini. *Mich. fl. amer.* 1. *p.* 21.
Icon. *Mich. fl. amer.* 1. *t.* 4.
In sandy swamps of New Jersey, and from Carolina to Florida. ♃. June, July. *v. v.* Root red; stem and corymb very tomentose; petals yellow inside.

38. SISYRINCHIUM. *Gen. pl.* 1101.

1. S. foliis scapisque simplicibus subsetaceis, spatha colorata: valva altera in mucronem longum desinente. *Pers. ench.* 2. *p.* 50. *Mich. fl. amer.* 2. *p.* 33. *mucronatum.*
In wet meadows of short grass in Pensylvania and Virginia. ♃. June, July. *v. v.* Flowers beautiful blue, smaller than the following species.

2. S. scapo simplici alato, spathis inæqualibus flores superantibus. *Pers. ench.* 2. *p.* 50. *Cav. diss.* 6. *p.* 345. *anceps.*
S. gramineum. *Lam. encycl.* 1. *p.* 408.
Icon. *Bot. mag.* 464. *Cav. l. c. t.* 190. *f.* 2.
On dry hills and grass plots from Canada to Carolina. ♃. July, Aug. *v. v.* Flowers blue.

39. BOERHAVIA. *Gen. pl.* 13.

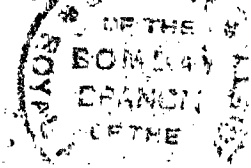
1. B. caule tetragono glabro, internodiis viscosis, floribus corymboso-paniculatis. *Willd. sp. pl.* 1. *p.* 19. *erecta.*
Icon. *Pluk. alm. t.* 226. *f.* 7.
On the sea-coast of Carolina and Florida. ♃. July. *v. v.*; *v. s. in Herb. Walter.*

40. COMMELINA. *Gen. pl.* 86.

1. C. foliis lineari-lanceolatis glabris, vaginis subciliatis, involucris cordatis conduplicatis. *Vahl. enum. pl.* 2. *p.* 165. *Mich. fl. amer.* 1. *p.* 24. *angustifolia.*
In sandy woods of Carolina. ♃. July. *v. v.* Flowers in this as well as all the following species sky-blue.

2. C. foliis lanceolatis petiolatis caulèque erecto-pilosis conduplicatis, involucris lateralibus terminalibusque sessilibus. *Vahl. enum pl.* 2. *p.* 166. *hirtella.*
C. longifolia. *Mich. fl. amer.* 1. *p.* 23.
In shady rocky situations in Virginia and Carolina. ♃. July. *v. v.* Stems long, branchy.

3. C. foliis lanceolatis subpetiolatis supra, glabris, vaginis subpubescentibus, caule erecto simplici. *Vahl. enum. pl.* 2. *p.* 167. *Willd. sp. pl.* 1. *p.* 251. *virginica.*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In shady woods from Pensylvania to Carolina. Aug. *v. v.* Flowers large.

communis. 4. C. foliis ovato-lanceolatis subsessilibus acutis repente glabris, involucris cordatis conduplicatis. *enum. pl.* 2. *p.* 170. *Willd. sp. pl.* 1. *p.* 2[illegible].
Icon. *Dill. elth. t.* 78. *f.* 89.
C. caroliniana. *Walt. fl. car.* 68.
In sandy fields in Carolina. *Walter.* ♃. Jul. *Herb. Walter.*

erecta. 5. C. foliis ovato-lanceolatis scabris, involucris turbinatis, caule erecto. *Vahl. enum. pl.* *Willd. sp. pl.* 1. *p.* 251.
C. communis. *Walt. fl. car.* 68.
Icon. *Dill. elth. t.* 77. *f.* 88?
In sandy shady places in Virginia and Carolina. ♃. July. *v. v.* Pet. 2. large.

41. SYENA. *Gen. pl.* 88.

fluviatilis. 1. Syena. *Willd. sp. pl.* 1. *p.* 254.
Mayaca fluviatilis. *Aubl. guj.* 1. *p.* 42.
Icon. *Aubl. guj. l. c. t.* 15. *Lam. illustr.* 1. *t.* 36
In small rivulets of Virginia and Carolina. ♃. July. *v. v.* Flowers white, solitary, small.

42. HETERANTHERA. *Beauvois in act. soc. amer.* 4.

acuta. 1. H. foliis subrotundo-reniformibus acutis, spathis subtrifloris glabris. *Vahl. enum. pl.* 2. *p.* 42. *Willd. in act. soc. am. h. nat.* 3. *p.* 438.
Leptanthus reniformis. *Mich. fl. amer.* 1. *p.* 25.
Icon. *Beauvois in act. soc. amer.* 4. *p.* 173. H. reniformis.
In small rivulets and ditches, on a clay soil, in Pensylvania, Virginia, &c. ♃. June, July. *v. v.* Flowers white; leaves floating.

limosa. 2. H. foliis ovato-oblongis, spathis lanceolatis unifloris. *Vahl. enum. pl.* 2. *p.* 44.
Pontederia limosa. *Swartz. fl. ind. occid.* 1. *p.* 611.
Leptanthus ovalis. *Mich. fl. amer.* 1. *p.* 25.
Icon. *Mich. l. c. t.* 5. *f.* 1. *Sloan. hist.* 1. *t.* 149. *f.* 1.
On the banks of rivers and small rivulets in the south-western parts of the United States ♃. July. *v. s.* Flowers blue; leaves erect.

graminea. 3. H. foliis omnibus linearibus. *Vahl. enum. pl.* 2. *p.* 45.
Leptanthus gramineus. *Mich. fl. amer.* 1. *p.* 25.
Commelina dubia. *Jacq. obs. bot.* 3. *p.* 9.

Anonymos aquatica graminifolia. *Clayt. num.* 814.
Icon. *Mich. fl. amer.* 1. *t.* 5. *f.* 2. *Jacq. l. c. t.* 59.
Floating, in the waters of Pensylvania, Virginia, &c. ♃. July. *v. v.*; *v. s. in Herb. Gronov.* Flowers yellow.

43. SERPICULA. *Gen. pl.* 1413.

1. S. floribus triandris hermaphroditis, stigmatibus ligulatis reflexis bifidis, foliis ternatis linearibus acutis. *occidentalis.*
Elodea canadensis. *Mich. fl. amer.* 1. *p.* 20.
In stagnant waters, frequent; from Canada to Virginia. ♃. July. *v. v.* Flowers very small and delicate, white; leaves when magnified very finely serrulate. Michaux describes the leaves to be oblong and obtuse, which is only the case in the early part of the season: at flowering time they certainly are long, linear, and acute.

44. XYRIS. *Gen. pl.* 89.

1. X. foliis longissime-gramineis scapisque tortuosis, capitulo globoso: squamis subrotundis obtusis. *indica.*
X. indica. *Willd. sp. pl.* 1. *p.* 254?
Icon. *Pluk. alm. t.* 416. *f.* 4?
In overflowed meadows and small ponds: Pensylvania to Virginia. ♃. June, July. *v. v.* Flowers yellow.

2. X. foliis lineari-gramineis, scapo ancipiti, capitulo ovato acuto; squamis obtusis. *caroliniana.*
X. caroliniana. *Lam. illustr.* 1. *p.* 132. *Walt. fl. car.* 69.
X. Jupicai. *Mich. fl. amer.* 1. *p.* 23.
In low grassy fields, in sandy soil, from New Jersey to Florida. ♃. June—Aug. *v. v.* Heads small; flowers yellow; it is extremely variable.

3. X. foliis subulato-gladiatis, scapo tereti, capitulo globoso. *Mich. fl. amer.* 1. *p.* 23. *brevifolia.*
In low meadows of Lower Carolina and Georgia. ♃. July. *v. s.* The smallest species; flowers yellow.

45. SPARGANIUM. *Gen. pl.* 1401. Bur-reed.

1. S. foliis basi triquetris lateribus concavis, pedunculo communi ramoso, stigmate lineari. *Smith. brit.* 3. *p.* 961. *Willd. sp. pl.* 4. *p.* 199. *ramosum.*
S. erectum. *Sp. pl.* 1378.
Icon. *Curt. lond.* 5. *t.* 66. *Engl. bot.* 744.

In ditches and ponds from Canada to Virginia, ♃. July, August. *v. v.* Flowers in round heads.

simplex. 2. S. foliis basi triquetris lateralibus planis, pedunculo muni simplici, stigmate lineari. *Smith. brit.* 3. *Willd. sp. pl.* 4. *p.* 199.
S. erectum β. *Sp. pl.* 1378.
Icon. *Curt. lond.* 5. *t.* 67. *Engl. bot.* 745.
In similar situations with the former; more f. ♃. July, Aug. *v. v.*

natans. 3. S. foliis decumbentibus planis, pedunculo com. plici, stigmate ovato brevissimo, capitulo i. subsolitario. *Smith. brit.* 3. *p.* 962. *Wil. p.* 200.
Icon. *Engl. bot.* 273. *Fl. dan.* 260.

angustifolium. β. S. foliis planis angustissimis, caulem longissim tibus, debiliter fluitantibus. *Mich. fl. amer.*
In rivulets of Canada, and very frequent on th the small lakes of New York. ♃. A Floating; heads small.

46. TYPHA. *Gen. pl.* 1401. Cat's-tail. Reed-mace.

latifolia. 1. T. foliis linearibus planis, spica mascula femineaque approximatis, utraque cylindrica. *Willd. sp. pl.* 4. *p.* 197.
Icon. *Bot. mag.* 1455. *Fl. dan.* 645. *Coopers-reed.*
In marshes and pools very common. ♃. July, Aug. *v. v.* Flowers in a long cylindrical spike.

angustifolia. 2. T. foliis linearibus canaliculatis, spica mascula femineaque remotis, utraque cylindrica. *Willd. sp. pl.* 4. *p.* 198.
Icon. *Bot. mag.* 1456.
In similar situations, only more rare. Pensylvania and Virginia. ♃. July, Aug. *v. v.*

47. CAREX. *Gen. pl.* 1407. Sedge-grass.

A. *Stigmatibus binis.*

† *Spicis dioicis.*

scirpoidea. 1. C. spica solitaria imbricato-cylindrica, capsulis dense pubescentibus, foliis planis. *Mich. fl. amer.* 2. *p.* 171.
Near Hudson's Bay. *Mich.* ♃. +.

sterilis. 2. C. spicis subsenis, fructibus ovatis compresso-triquetris acuminatis, apice recurvis bicuspidatis, margine ciliato-serratis. *Willd. sp. pl.* 4. *p.* 208.

Icon. *Schk. car. t. Mmm. f.* 146.
In wet meadows; frequent from Canada to Virginia. ♃. May. *v. v.*

†† *Spicis androgynis.*

* *Spica unica apice mascula.*

3. C. spicis in formam ellipticam aggregatis, fructibus ovatis compressis bifidis marginatis superne ciliato-serratis. *Willd. sp. pl. 4. p. 220.* *cephalophora.*
C. typhina. *Mich. fl. amer. 2. p. 169.*
Icon. *Schk. car. t. Hhh. f.* 133.
In shady woods: Pensylvania, Virginia, &c. ♃. June. *v. v.*

** *Spicis pluribus apice masculis.*

4. C. spiculis alternis confertis, superioribus masculis, inferioribus femineis, intermediis apice masculis, capsulis ovatis marginatis bifidis ciliato-serratis, culmo incurvo. *Willd. sp. pl. 4. p. 223.* *arenaria.*
Icon. *Schk. car. t. B. Dd. f. 6. Host. gram. 1. t. 49.*
On the sea-coast in loose sands; New York to Virginia. ♃. June, July. *v. v.*

5. C. spiculis oblongis alternis remotiusculis sessilibus, capsulis oblongis acuminatis rostratis bicuspidatis, squamis oblongis mucronatis. *Schk. car. 2. p. 8. Willd. sp. pl. 4. p. 258.* *bromoides.*
Icon. *Schk. car. t. Xxx. f.* 176.
In dry fields and woods. ♃. May. *v. v.*

6. C. spiculis subquaternis remotiusculis, fructibus ovatis bidentatis margine glabris reflexo-patentibus, squamis oblongo-lanceolatis. *Schk. car. 2. p. 11.* *retroflexa.*
Icon. *Schk. car. t. Kkk. f.* 140.
On dry hills: Pensylvania, &c. ♃. *v. v.*

7. C. spiculis subquinis oblongis aggregatis, fructibus patentibus ovatis acuminatis bicuspidatis convexo-planis nervosis, culmo triquetro asperrimo. *Willd. sp. pl. 4. p. 233.* *stipata.*
Icon. *Schk. car. t. Hhh. f.* 132.
In bogs and swamp meadows: New England to Virginia. ♃. June. *v. v.*

8. C. spiculis ovatis approximatis, fructibus horizontalibus ovatis plano-convexis bidentatis, basi marginatis, margine ciliato-serratis. *Willd. sp. pl. 4. p. 234.* *muricata.*
Icon. *Schk. car. t. E. Dd. f. 22.*

In wet woods and meadows: New York, &c. ♃ June. *v. v.*

Muhlenbergii. C. spiculis subquinis ovatis alternis approximatis subrotundo-ovatis marginatis compressis tatis ciliato-serratis, squamis mucronatis. *Willd. sp. pl.* 4. *p.* 231.
C. vulpinoidea. *Mich. fl amer.* 2. *p.* 169.
Icon. *Schk. car. t. Yyy. f.* 178.
On dry hills and in barren woods. ♃. May, Jun.

multiflora. 10. C. spicis anguste paniculatis oblongis obtusis, ovatis acuminatis bicuspidatis, squamis ovatis natis, bracteis foliaceis filiformibus. *Willd. sp. p.* 243.
Icon. *Schk. car. t. Lll. f.* 144.
In wet meadows: Pensylvania, Virginia, &c. ♃

sparganioides. 11. C. spiculis multifloris suboctonis ovatis subappr fructibus ovatis compressis marginatis bifidis ciliato-serratis horizontalibus. *Willd. sp. pl.*
Icon. *Schk. car. t. Lll. f.* 142.
On the edges of ponds: New England, Pensylvania, &c. ♃. May—July. *v. v.*

divulsa. 12. C. spica basi subramosa, spiculis ovatis approximatis, inferioribus remotis, fructibus erectiusculis ovatis planis convexis bidentatis marginatis, margine glabris. *Willd. sp. pl.* 4. *p.* 235.
Icon. *Schk. car. t. Dd. Ww. f.* 89.
In shady boggy places: New York, Virginia, &c. ♃. June, July. *v. v.*

rosea. 13. C. spiculis subquaternis remotis, fructibus ovatis acuminatis bidentatis margine ciliato-serratis horizontalibus, squamis ovatis obtusis, bractea foliacea ad basin spiculæ inferioris. *Willd. sp. pl.* 4. *p.* 237.
C. echinata β rosea. *Wahlb act. holm.* 1803. ♃ 147.
Icon. *Schk. car. t. Zzz. f.* 179.
In dry woods: Canada, Pensylvania, Virginia, &c. ♃. *v. v.*

paniculata. 14. C. spicis paniculatis, fructibus ovatis superne marginatis bidentatis margine ciliato-serratis, culmo triquetro. *Willd. sp. pl.* 4. *p.* 244.
Icon. *Schk. car. t. D. f.* 20. *et var. t. Ttt. f.* 163.
In bog-meadows: Virginia, &c. ♃. July. *v. v.*

*** *Spicis pluribus apice femineis.*

leporina. 15. C. spiculis tribus subrotundo-ellipticis alternis congestis.

fructibus ellipticis compressis acuminatis ore integris. *Willd. sp. pl.* 4. *p.* 229.

C. Lachenalii. *Schk. car.* 1. *p.* 51.

Icon. *Schk. car. t.* Y. *f.* 29. *Fl. dan.* 294.

In the western parts of New York, Pensylvania, &c. ♃. June. *v. v.*

16. C. spiculis subquaternis approximatis ellipticis, fructibus ovatis bidentatis compressis margine ciliato-serratis erectis, squamis ellipticis obtusis. *Willd. sp. pl.* 4. *p.* 237. *scirpoides.*

C. triceps. *Mich. fl. amer.* 2. *p.* 170?

Icon. *Schk. car. t.* Zxx. *f.* 180.

In wet meadows, common. ♃. May—July. *v. v.*

17. C. spiculis duodenis alternis ellipticis obtusis approximatis, fructibus ovato-lanceolatis marginatis bicuspidatis, bractea foliacea longissima ad basin spicæ ultimæ. *Willd. sp. pl.* 4. *p.* 230. *lagopodioides.*

C. Richardi. *Mich. fl. amer.* 2. *p.* 170.

Icon. *Schk. car. t.* Yyy. *f.* 177.

In swamp meadows, common. ♃. June, July. *v. v.*

18. C. spiculis subsenis subrotundo-ellipticis alternis subapproximatis inferne masculis, fructibus ovatis marginatis bidentatis ciliato-serratis. *Willd. sp. pl.* 4. *p.* 229. *ovalis.*

C. leporina. *Wahlb. act. holm.* 1803. *p.* 145.

Icon. *Schk. car. t. B. f.* 8.

In wet places: New York, &c. ♃. June. *v. v.*

19. C. spiculis subquinis alternis ellipticis obtusis subapproximatis, fructibus ovato-lanceolatis marginatis bicuspidatis, bracteis oblongis mucronatis. *Willd. sp. pl.* 4. *p.* 230. *scoparia.*

C. viridula. *Mich. fl. amer.* 2. *p.* 170?

Icon. *Schk. car. t. Xxx. f.* 175.

In wet and sometimes even very dry places, common. ♃. May—July. *v. v.*

20. C. spiculis subsenis alternis approximatis cylindraceis, fructibus ovatis plano-convexis acutiusculis ore integris erectis, squama ovata acuta longioribus. *Willd. sp. pl.* 4. *p.* 241. *curta.*

C. canescens. *Wahlb. act. holm.* 1803. *p.* 148.

Icon. *Schk. car. t. C. f.* 13.

In wet woods: New York, &c. ♃. June. *v. v.*

21. C. spiculis alternis remotis, bracteis foliaceis longissimis suffultis, fructibus ovatis acuminatis bifidis compressiusculis. *Willd. sp. pl.* 4. *p.* 239. *remota.*

Icon. *Schk. car. t. E. t.* 23.
In shady woods: Pensylvania mountains, &c. ♃. June. *v. v.*

festucacea. 22. C. spiculis suboctonis subapproximatis alternis cylindraceis, fructiferis clavatis, fructibus subrotundo-ovatis rostratis bidentatis margine ciliato-serratis, squama lanceolata mucronata majoribus. *Willd. sp. pl.* 4. *p.* 242.
Icon. *Schk. car. t. Www. f.* 173.
On dry hills, frequent. ♃. May, June. *v. v.*

††† *Spicis sexu distinctis.*

* *Spica mascula solitaria, reliquis femineis ex parte androgynis.*

saxatilis. 23. C. spicis femineis geminis inferiore pedunculata oblongis, fructibus ellipticis obtusis squamam oblongam obtusam æquantibus, bracteis oblongis amplexicaulibus apice subfoliaceis, culmo glabro. *Willd. sp. pl.* 4. *p.* 272.
Icon. *Schk. car. t. I. et Tt. f.* 40.
In hemlock woods of Vermont and New Hampshire. ♃. June. *v. v.*

cæspitosa. 24. C. spicis femineis cylindraceis obtusis subternis distantibus infima brevissime exerte pedunculatis, fructibus ovatis obtusis ore pertusis, squama oblonga obtusa majoribus, foliis patulis. *Willd. sp. pl.* 4. *p.* 287.
C. polyandra. *Schk. car.* 1. *p.* 59. *t. Dd. f.* 90.
Icon. *Schk. car. t. Aa. et Bb. f.* 85.
In bog-meadows, very common. ♃. May, June. *v. v.*

crinita. 25. C. spicis masculis geminis, femineis quaternis distantibus pedunculatis pendulis cylindraceis, fructibus subrotundo-ellipticis ventricosis brevissime rostellatis ore integris squama oblonga arista brevioribus. *Willd. sp. pl.* 4. *p.* 300. *Lam. encycl.* 3. *p.* 379.
Icon. *Schk. car. t. Eee. f.* 125. *et t. Ttt. f.* 164.

paleacea. β. C. spicis cylindraceis, masculis pluribus, pedunculis longis reclinatis, bracteis foliaceis distantibus, squamis cuspide longa serrata terminatis, capsulis suborbiculatis, ore emarginato, culmo laxo. *Wahlb. act. holm.* 1803. *p.* 164.
In wet woods, common. ♃. June, July. *v. v.*

acuta. 26. C. spicis masculis binis ternisve, femineis subquaternis subpedunculatis subnutantibus cylindraceis remotis, fructibus oblongis brevissime rostellatis, ore integro

pertuso, squamam oblongam acutam subæquantibus. *Willd. sp. pl.* 4. *p.* 304.
Icon. *Schk. car. t. Ee. et Ff. f.* 92. *Host. gram.* 1. *t.* 95.
In swamps, very common. ♃. June, July. *v. v.*

B. *Stigmatibus tribus.*

† *Spicis androgynis, apice masculis.*

27. C. spica simplici ovata, fructibus ovato-subglobosis ore integris squama oblonga longioribus, foliis lanceolatis undulatis crenulatis, scapo basi vaginato. *Fraseri.*
Icon. C. Fraseri. *Bot. mag.* 1391. *Bot. rep.* 639.
On the mountains of North Carolina. *Fraser.* ♃. April. *v. v.*

28. C. spica simplici, fructibus alternis oblongis tereti-triquetris scabris acuminatis, squamis ovatis acuminatis, infima apice foliacea. *Willd. sp. pl.* 4. *p.* 211. *Willdenowii.*
Icon. *Schk. car. t. Mmm. f.* 145.
In barren wet soil, common. ♃. May, June. *v. v.*

29. C. spica simplici, fructibus oblongo-lanceolatis compresso-triquetris obtusis emarginatis, squamis oblongis obtusis mucronatis. *Willd. sp. pl.* 4. *p.* 213. *polytrichoides.*
C. leptalea. *Wahlb. act. holm.* 1803. *p.* 139.
C. microstachya. *Mich. fl. amer.* 2. *p.* 169.
Icon. *Schk. car. t. Iii. f.* 138.
In low wet places: Pensylvania, &c. ♃. June. *v. v.*

30. C. spicis subquaternis pedunculatis ramosissimis, fructibus obovatis triquetris obtusis, squamis oblongis obtusis mucronatis. *Willd. sp. pl.* 4. *p.* 222. *pedunculata.*
Icon. *Schk. car. t. Ggg. f.* 131.
On dry hills: New England, New York, Pensylvania, &c. ♃. May—July. *v. v.*

31. C. spicis subquinis pedunculatis ovatis pendulis, fructibus obovatis utrinque acutis, squamis ovatis acutis capsulam æquantibus. *ovata.*
C. ovata. *Rudge in linn. trans.* 7. *p.* 96.
Icon. *Rudge l. c. t.* 9. *f.* 1.
In Canada and Newfoundland. ♃. +.

†† *Spicis terminalibus masculis, reliquis androgynis.*

32. C. spica androgyna lineari-pedunculata inferne mascula, femineis subapproximatis binis subpedunculatis linea- *virescens.*

ribus, fructibus globoso-triquetris obtusis pubescentibus. *Willd. sp. pl.* 4. *p.* 251.
Icon. *Schk. car. t. Mmm. f.* 147.
On barren dry soil, common. ♃. May. *v. v.*

hirsuta. 33. C. spica androgyna oblonga obovata inferne mascula femineis remotiusculis subternis subsessilibus oblongis, fructibus ovatis obtusissimis obtuse triquetris, foliis vaginisque hirsutis. *Willd. sp. pl.* 4. *p.* 252.
Icon. *Schk. car. t. Www. f.* 172.
On dry hills, frequent. ♃. May, June. *v. v.*

Buxbaumii. 34. C. spica androgyna pedunculata obovata inferne mascula, femineis subternis remotis subpedunculatis, fructibus ellipticis triquetris obtusis obsolete bidentatis squamam oblongam mucronatam subæquantibus. *Willd. sp. pl.* 4. *p.* 252.
C. polygama. *Schk.*
Icon. *Schk. car. t. X. Gg. f.* 76.
In swamps and wet woods: New York, Pensylvania, &c. ♃. July, Aug. *v. v.*

trichocarpa. 35. C. spicis androgynis tribus, femineis binis pedunculatis erectis cylindraceis remotis; fructibus ovatis acuminatis bicuspidatis pilosis squama ovato-lanceolata aristata longioribus. *Schk. car.* 2. *p.* 47.
C. lanuginosa. *Mich. fl. amer.* 2. *p.* 175.
Icon. *Schk. car. t. Nnn. f.* 148.
In woods and wet fields: New England, Pensylvania, &c. ♃. June. *v. v.*

††† *Spicis sexu distinctis.*

* *Spica mascula solitaria, femineis sessilibus seu inclusopedunculatis.*

varia. 36. C. spicis femineis subternis subapproximatis sessilibus subglobosis, fructibus subgloboso-triquetris nostratis bidentatis pubescentibus squama oblonga brevioribus, culmo erecto. *Willd. sp. pl.* 4. *p.* 259.
Icon. *Schk. car. t. Uuu. f.* 167.
On dry hills, frequent. ♃. May, June. *v. v.*

subulata. 37. C. spicis femineis subquaternis remotissimis sessilibus, mascula sessilis, fructibus subulatis divaricatis reflexis, culmo tenui, foliis planis. *Mich. fl. amer.* 2. *p.* 173.
In Canada. *Michaux.* +.

marginata. 38. C. spicis femineis subgeminis approximatis subglobosis subsessilibus, fructibus globosis tomentosis bidentatis

squama oblongo-ovata majoribus, foliis radicalibus annotinis culmo longioribus. *Willd. sp. pl.* 4. *p.* 261.
Icon. *Schk. car. t. Lll. f.* 143.
On dry hills and rocks, common. ♃. April, May. *v. v.*

39. C. spica mascula lanceolata, femineis geminis ovatis sessilibus approximatis, fructibus ovatis rostratis ore obliquis pubescentibus squamam ovatam acutam subæquantibus. *Willd. sp. pl.* 4. *p.* 263. *vestita.*
Icon. *Schk. car. t. Bbbb. f.* 182.
In wet meadows: Pensylvania, &c. ♃. June. *v. v.*

40. C. spicis femineis tribus incluso-pedunculatis ovatis subapproximatis, bracteis longissimis foliaceis, fructibus ovatis ventricosis nervosis longissime rostratis ore bidentatis squama lanceolata mucronata longioribus. *Willd. sp. pl.* 4. *p.* 266. *tentaculata.*
Icon. *Schk. car. t. Cgg. f.* 130.
β. Icon. *Schk. car. t. Hhh. f.* 134. rostrata.
In swamps and wet woods, common. ♃. June, July. *v. v.*

41. C. spica feminea plerumque solitaria sessili-ovata, bractea setacea, fructibus globosis glabris. *Mich. fl. amer.* 2. *p.* 174. *miliaris.*
In bogs and shady woods: Canada, Vermont, &c. ♃. July. *v. v.*

42. C. spicis femineis tribus incluse pedunculatis oblongis approximatis, bracteis longissimis foliaceis, fructibus ovatis ventricosis nervosis longissime conico-rostratis ore bicuspidatis, squama ovata mucronata multoties longioribus. *Willd. sp. pl.* 4. *p.* 266. *lupulina.*
Icon. *Schk. car. t. Ddd. f.* 123. *et t. Iii. f.* 194.
In swamps and woods, frequent. ♃. June—Aug. *v. v.*

43. C. spicis femineis subternis subapproximatis ellipticis incluse pedunculatis, fructibus ovatis reflexis rostratis, rostro curvato bidentato, squama ovato-lanceolata longioribus. *Willd. sp. pl.* 4. *p.* 268. *flava.*
C. Oederi. *Schk. car.* 1. *p.* 67.
Icon. *Schk. car. t. H. f.* 36. *et t. F. f.* 26. *Host. gram.* 1. *t.* 65.
In wet fields and meadows, frequent. ♃. June. *v. v.*

44. C. spicis femineis binis tri- s. quadrifloris inferiore pedunculata, fructibus subrotundo-triquetris obovatis rostellatis ore integris squama oblonga mucronata longioribus. *Willd. sp. pl.* 4. *p.* 279. *oligocarpa.*

C. paupercula. *Mich. fl. amer.* 2. *p.* 172?
Icon. *Schk. car. t. Vvv. f.* 170.
In wet places: New York, Pensylvania, &c. ♃. May. *v. v.*

folliculata. 45. C. spica feminea subsolitaria subsexflora subexerta pedunculata, fructibus ovatis ventricosis nervosis rostratis ore bipartitis squama ovata longioribus. *Willd. sp. pl.* 4. *p.* 281.
Icon. *Schk. car. t. N. f.* 52.
major. β. C. intumescens. *Rudge in linn. trans.* 7. *p.* 97. *t.* 9. *f.* 3.
In wet woods, common. ♃. June, July. *v. v.*

pubescens. 46. C. spicis femineis quaternis sessilibus infima exerte pedunculata, fructibus ovato-triquetris pubescentibus rostratis bidentatis, squama oblonga mucronata longioribus, culmo foliis pubescentibus. *Willd. sp. pl.* 4. *p.* 281.
Icon. *Schk. car. t. Eee. f.* 126.
In shady woods: Pensylvania, Virginia, &c. ♃. May. *v. v.*

** *Spica mascula solitaria, femineis longe-pedunculatis, vaginis brevioribus.*

plantaginea. 47. C. spicis pedunculatis femineis quaternis distantibus, fructibus ellipticis triquetris pedicellatis glabris squama ovata cuspidata brevioribus, bracteis vaginatis apice subfoliaceis, radicalibus lanceolatis nervosis. *Willd. sp. pl.* 4. *p.* 257.
C. latifolia. *Wahlb. act. holm.* 1803. *p.* 156.
Icon. *Schk. car. t. U. f.* 70. *et t. Kkkk. f.* 195.
In dry woods, very common. ♃. May, June. *v. v.*

anceps. 48. C. spicis femineis tribus remotis, inferioribus pedunculatis, fructibus ovatis nervosis ore membranaceis squama oblonga mucronata longioribus. *Willd. sp. pl.* 4. *p.* 278.
C. striatula. *Mich. fl. amer.* 2. *p.* 173.
Icon. *Schk. car. t. Fff. f.* 128.
In wet fields on the sides of ditches, from New Jersey to Carolina. ♃. June. *v. v.*

granularis. 49. C. spicis femineis tribus remotis, binis inferioribus pedunculatis, fructibus globoso-ovatis nervosis ventricosis brevissime rostellatis ore obsolete emarginato squama ovato-lanceolata longioribus. *Willd. sp. pl.* 4. *p.* 279.

C. lenticularis. *Mich. fl. amer.* 2. *p.* 172.
Icon. *Schk. car. t. Vvv. f.* 169.
In barren meadows and woods, from Canada to Carolina. ♃. May—July. *v. v.*

50. C. spicis femineis binis remotis, suprema subsessili, infima longe pedunculata, fructibus oblongo-conicis obtusis squamam aristam æquantibus. *Willd. sp. pl.* 4. *p.* 280. *conoidea.*
Icon. *Schk. car. t. Vvv. f.* 168.
In dry woods, common. ♃. June. *v. v.*

51. C. spicis femineis binis remotis, suprema subsessili, infima longe pedunculata, fructibus obovatis apice recurvis ore integris squamam obtuso-ovatam longioribus. *Schk. car.* 2. *p.* 68. *tetanica.*
Icon. *Schk. car. t. Ggg. f.* 100. *et t. Oooo. f.* 207.
In woods and dry meadows, frequent. ♃. May, June. *v. v.*

52. E. spicis femineis tribus 6—8-floris distantibus, infima remote pedunculata, fructibus oblongis ventricosis obtusis squama ovata mucronata majoribus. *Willd. sp. pl.* 4. *p.* 281. *laxiflora.*
C. paupercula. *Mich. fl. amer.* 2. *p.* 172.
Icon. *Schk. car. t. Kkk. f.* 141.
On dry grassy hills, common. ♃. April, May. *v. v.*

53. C. spica mascula solitaria, squamis ovato-oblongis submucronatis, femineis cylindraceis binis, infima pedunculata, fructibus ovatis multinerviis rostratis ore bifidis squama oblonga aristata longioribus. *Willd. sp. pl.* 4. *p.* 282. *hystericina.*
C. erinacea. *Muhlb. in litt.* . . .
Icon. *Schk. car. t. Fff. f.* 127.
In swamps and boggy woods, frequent. ♃. June, July. *v. v.*

54. C. spicis femineis tribus oblongis distantibus, suprema sessili, reliquis pedunculatis, fructibus ovatis acuminatis bicuspidatis squamam ovatam acuminatam subæquantibus. *Willd. sp. pl.* 4. *p.* 271. *distans.*
Icon. *Schk. car. t. T. et Yy. f.* 63.
In wet meadows, frequent. ♃. June, July. *v. v.*

55. C. spicis femineis subquaternis remotis filiformibus pedunculis cernuis, fructibus distantibus alternis oblongis rostratis bifidis squama ovata mucronata duplo longioribus. *Willd. sp. pl.* 4. *p.* 297. *flexuosa.*
C. debilis, *Mich. fl. amer.* 2. *p.* 172.

C. tenuis. *Rudge in linn. trans. t. 7. p. 97.*
Icon. *Schk. car. t. Ddd. et Aaaa. f. 124.*
In sandy wet meadows: Canada to Carolina. ♃. June, *v. v.*

digitalis. 56. C. spicis femineis subternis remotis filiformibus pedunculatis cernuis, fructibus ellipticis obtusis squama oblongo-lanceolata longioribus. *Willd. sp. pl. 4. p. 298.*
In Pensylvania. *Muhlb.* ♃. +.

*** *Spica mascula solitaria, femineis pedunculatis, vaginæ subnullæ.*

umbellata. 57. C. spicis femineis tribus pedunculatis octofloris ovatis vert. ciliatis, fructibus ovatis pubescentibus rostratis ore integris squamam ovato-lanceolatam æquantibus. *Willd. sp. pl. 4. p. 290.*
Icon. *Schk. car. t. Www. f. 171.*
On dry sunny hills: New York to Virginia. ♃. May. *v. v.*

miliacea. 58. C. spicis femineis tribus filiformibus, summa subsessili, reliquis pedunculatis, fructibus ovatis triquetris breve rostratis ore integris squama oblonga emarginata aristata longioribus. *Willd. sp. pl. 4. p. 290.*
Icon. *Schk. car. t. Ooo. f. 151.*
In wet meadows: Canada to Carolina. ♃. July. *v. v.*

Pseudo-Cyperus. 59. C. spicis femineis quaternis geminatis pedunculatis pendulis cylindricis, fructibus ovato-lanceolatis bicuspidatis reflexis squamam setaceam æquantibus. *Willd. sp. pl. 4. p. 295.*
Icon. *Schk. car. t. Mm. f. 102.*
In ditches and swamps, frequent. ♃. June, July. *v. v.*

**** *Spicis masculis pluribus.*

recurva. 60. C. spicis masculis geminis, femineis cylindricis subternatis pedunculatis pendulis, fructibus ellipticis obtusis sæpe scabriusculis squamam ovato-cuspidatam æquantibus. *Willd. sp. pl. 4. p. 298.*
C. flacca. *Schk. car. 1. p. 117.*
C. glauca. *Scop.*
Icon. *Schk. car. t. O. P. f. 57. et t. Zz. f. 113.*
In bogs and wet woods, common. ♃. June. *v. v.*

pellita. 61. C. spicis masculis geminis, femineis geminis cylindraceis erectis remotis, superiore sessili, fructibus ovatis bifidis pilosis squama oblonga aristata brevioribus. *Willd. sp. pl. 4. p. 302.*

C. striata. *Mich. fl. amer.* 2. *p.* 174?
Icon. *Schk. car. t. Nnn. f.* 149 *et* 150.
In wet meadows and woods, frequent. ♃. June, July. *v. v.*

62. C. spicis masculis quaternis, femineis binis erectis cylindraceis pedunculatis, fructibus oblongis multinerviis rostratis bifurcatis squama oblonga mucronata longioribus. *Willd. sp. pl.* 4. *p.* 306. — *lacustris.*
Icon. *Schk. car. t. Ooo. f.* 152.
β. *Rudge in linn. trans. t.* 7. *p.* 99. *t.* 10. *f.* 2. — gigantea.
In deep swamps and on the edges of ponds: Canada to Carolina. ♃. June, July. *v. v.*

63. C. spicis masculis tribus, femineis subgeminis pedunculatis cylindraceis, fructibus oblongis inflatis rostratis bicuspidatis squama lanceolata majoribus, culmo acute triquetro. *Willd. sp. pl.* 4. *p.* 307. — *vesicaria.*
Icon. *Schk. car. t. Ss. f.* 106.
In swamps and wet meadows, common. ♃. May—July. *v. v.*

64. C. spicis masculis tribus, femineis binis cylindraceis pedunculatis erectiusculis, fructibus ovato-globosis rostratis bifurcatis, rostris hispidis squama lanceolata majoribus. *Willd. sp. pl.* 4. *p.* 309. — *bullata.*
Icon. *Schk. car. t. Uuu. f.* 166.
In bogs, very common. ♃. June. *v. v.*

48. SCLERIA. *Gen. pl.* 1408.

1. S. culmo foliisque glabris, paniculis terminalibus et lateralibus paucifloris, nucibus reticulatis. *Willd. sp. pl.* 4. *p.* 314. *Mich. fl. amer.* 2. *p.* 167. — *reticularis.*
Carex lithosperma. *Walt. fl. car.* 227.
In sandy barren fields: New Jersey to Carolina. ♃. July, Aug. *v. v.*

2. S. culmo simplicissimo triquetro foliisque glabris, spica glomerata nuda, glomerulis alternis distantibus; glumis glabris, nucibus globosis mucronatis transversim rugoso-verrucosis. *Willd. sp. pl.* 4. *p.* 317. — *verticillata.*
In wet fields: Virginia, Carolina. *Muhlb.* ♃. June, July. *v. v.*

3. S. culmo simplicissimo triquetro foliisque pubescentibus, spica glomerata nuda, glomerulis alternis distantibus, glumis setosis, nucibus globosis mucronatis transver- — *interrupta.*

sim rugoso-verrucosis. *Willd. sp. pl.* 4. *p.* 317. *Mich. fl. amer.* 2. *p.* 168.
In wet meadows of Lower Carolina and Florida. ♃.+

hirtella. 4. S. culmo simplicissimo triquetro foliisque pubescentibus spica glomerata nuda, glomerulis alternis distantibus glumis setosis, nucibus elliptico-globosis mucronatis lævibus nitidis. *Willd. sp. pl.* 4. *p.* 318. *Mich. fl. amer.* 2. *p.* 168.
In dry woods on slate rocks: Virginia, Carolina. ♃. June. *v. v.* The smallest species.

ciliata. 5. S. culmo erecto glabriusculo, foliis ciliatis fasciculo terminali ciliato, nucibus globosis scabriusculis. *Willd. sp. pl.* 4. *p.* 318. *Mich. fl. amer.* 2. *p.* 167.
In dry woods: Virginia, Carolina, &c. ♃. July. *v. v.*

pauciflora. 6. S. culmo erecto simplici triquetro scabro, foliis anguste linearibus canaliculatis margine scabris, fasciculis pauciforis binis terminalibus unico remotissimo axillari, nucibus globosis acutiusculis transversim rugosis. *Willd. sp. pl.* 4. *p.* 318.
S. oligantha. *Mich. fl. amer.* 2. *p.* 167.
In low grassy places in the woods of Carolina. ♃.+

triglomerata. 7. S. culmo erecto simplici triquetro scabro, foliis margine scabris, fasciculis pauciforis terminalibus, glumis ovatis mucronatis scabris, nucibus globosis acutis rugosis. *Mich. fl. amer.* 2. *p.* 168.
In dry swamps and old fields: Pensylvania to Carolina. ♃. June, July. *v. v.*

49. ZEA. *Gen. pl.* 1403. Indian Corn.

Mays. 1. Z. foliis integerrimis. *Willd. sp. pl.* 4. *p.* 200.
Cultivated throughout all America, and sometimes found as it were in a native state. It would take up too much room to mention all the numberless varieties; but one of those brought by M. Lewis, Esq. from the Mandan nation, on the Missouri, deserves particular attention, as it ripens sooner and produces as excellent ears as any sort I know. It would be calculated to cultivate in climates not quite so warm as all the other sorts require.

50. KYLLINGIA. *Gen. pl.* 91.

pumila. 1. K. capitulo globoso sessili solitario, involucro brevi, cul-

mo setaceo, flosculis diandris. *Vahl. enum. pl.* 2. *p.* 380. *Mich. fl. amer.* 1. *p.* 28.
In the western parts of South Carolina and Georgia. ♃. June. *v. v.*

2. K. capitulis subternis sessilibus glomeratis, involucro 3-phyllo, glumis oblongis: valvulis cuneato-lanceolatis, flosculis monandris. *Mich. fl. amer.* 1. *p.* 29. *maculata.*
Scirpus cephalotes. *Walt. fl. car.* 71.
In inundated places: Carolina, Florida, &c. ♃. July. *v. s.*

51. MAPANIA. *Aubl. fl. gui.* 1. *p.* 47.

1. Mapania. *Aubl. fl. gui.* 1. *p.* 47. *t.* 17. *sylvatica.*
In remote parts of the Cherokee mountains. ♃. July. *v. s.* A beautiful grass, which I found in a collection made by Mr. Kinn of Philadelphia, corresponded in every respect with Aublet's plant.

52. DICHROMENA. *Mich. fl. amer.* 1. *p.* 37.

1. D. glabra, involucris basi utrinque coloratis. *Vahl. enum. pl.* 2. *p.* 240. *Mich. fl. amer.* 1. *p.* 37. *leucocephala.*
In wet places in Lower Carolina and Georgia. ♃. July. *v. s.*

2. D. pilosa, involucris supra basin coloratis. *Vahl. enum. pl.* 2. *p.* 240. *ciliata.*
Schœnus stellatus. *Swartz. fl. ind. occid.* 1. *p.* 102.
Icon. *Sloan. hist. jam.* 1. *t.* 78. *f.* 1.
In inundated places of Georgia and Florida. ♃. July. *v. v.*

53. SCHŒNUS. *Linn. et Vahl. enum. pl.* 2. *p.* 207.

1. S. pedunculis axillaribus terminalibusque subtrifloris, culmo trigono foliisque setaceis. *Vahl. enum. pl.* 2. *p.* 219. *setaceus.*
Icon. *Rottl. gram. t.* 21.
In Casolina. *Vahl.* ♃. +.

2. S. pedunculis axillaribus terminalibusque tristachyis, spicis subglobosis pedicellatis, foliis filiformibus hispidis. *Vahl. enum. pl.* 2. *p.* 219. *hispidulus.*
In Carolina. *Lam.* ♃. +.

54. RHYNCHOSPORA. *Vahl. enum. pl.* 2. *p.* 229.

sparsa. 1. R. corymbis diffusis axillaribus compositis, terminalibus decompositis, pedunculis capillaribus, seminibus rostro longioribus. *Vahl. enum. pl.* 2. *p.* 230.
Schœnus sparsus. *Mich. fl. amer.* 1. *p.* 35.
Schœnus miliaceus. *Lam. illustr.* 1. *p.* 137.
In shady woods: Virginia—Georgia. ♃. June. *v. v.*

micrantha. 2. R. corymbis diffusis axillaribus simplicibus, terminalibus compositis, pedunculis capillaribus, culmo foliisque filiformibus glabris. *Vahl. enum. pl.* 2. *p.* 231.
Schœnus rariflorus. *Mich. fl. amer.* 1. *p.* 35.
In Georgia. *Mich.* ♃. +.

laxa. 3. R. corymbis terminalibus compositis, spicis solitariis, rosteilo seminum longissimo, culmo acutangulo scabro. *Vahl. enum. pl.* 2. *p.* 231.
Schœnus longirostris. *Mich. fl. amer.* 1. *p.* 35.
Schœnus corniculatus. *Lam. illustr.* 1. *p.* 132.
In wet woods and near ponds in Virginia and Carolina. ♃. July. *v. v.*

inexpansa. 4. R. corymbis coarctatis axillaribus simplicibus compositisque, terminalibus decompositis, culmo filiformi. *Vahl. enum. pl.* 2. *p.* 232.
Schœnus inexpansus. *Mich. fl. amer.* 1. *p.* 35.
In Carolina. *Mich.* ♃. +.

fascicularis. 5. R. spicis corymboso-fasciculatis, foliis linearibus latitudine culmi. *Vahl. enum. pl.* 2. *p.* 234.
Schœnus fascicularis. *Mich. fl. amer.* 1. *p.* 37.
In Carolina. ♃. *v. s.*

glomerata. 6. R. spicis corymboso-fasciculatis remotissimis geminatis, culmo obtusangulo, foliis linearibus. *Vahl. enum. pl.* 2. *p.* 234.
Schœnus glomeratus. *Willd. sp. pl.* 1. *p.* 266.
In wet meadows along ditches. Pensylvania—Carolina *Walter.* ♃. June, July. *v. v.*

distans. 7. R. spicis corymboso-fasciculatis remotissimis solitariis, culmo obtusangulo, foliis filiformibus. *Vahl. enum. pl.* 2. *p.* 235.
Schœnus distans. *Mich. fl. amer.* 1. *p.* 36.
Schœnus axillaris. *Lam. illustr.* 1. *p.* 137.
In ponds which are dry in summer: Virginia, Carolina ♃. July, Aug. *v. v.*

8. R. spicis corymboso-fasciculatis approximatis subgeminatis, bracteis glabris, culmo filiformi acutangulo. *Vahl. enum. pl. 2. p. 235.* *capitellata.*
Schœnus capitellatus. *Mich. fl. amer. 1. p. 36.*
In Carolina. *Mich.* ♃. +.

9. R. spicis corymboso-fasciculatis terminalibus, bracteis foliisque obtusiusculis ciliatis. *Vahl. enum. pl. 2. p. 235.* *ciliata.*
Schœnus ciliaris. *Mich. fl. amer. 1. p. 36.*
In Carolina and Florida. ♃. *v. s.*

10. R. spicis corymboso-fasciculatis, culmo foliisque setaceis. *Vahl. enum. pl. 2. p. 236.* *alba.*
Schœnus albus. *Willd. sp. pl. 1. p. 267.*
Icon. *Engl. bot. 985. Fl. dan. t. 320.*
β Schœnus fuscus. *Willd. sp. pl. 1. p. 262.* fusca.
Schœnus setaceus. *Thouil. fl. par. 19.*
In bog-meadows, common. ♃. July, Aug. *v. v.*

55. FIMBRISTYLIS. *Vahl. enum. pl. 2. p. 285.*

1. F. spicis ovatis pubescentibus, involucro involucellisque diphyllis umbella composita umbellulisque longioribus. *Vahl. enum. pl. 2. p. 289.* *puberulum.*
Scirpus puberulus. *Mich. fl. amer. 1. p. 31.*
In low grounds: Virginia to Florida. ♃. July, Aug. *v. v.*

2. F. spicis ovato-oblongis obtusis, involucro diphyllo rigido umbellam subcompositam æquante. *Vahl. enum. pl. 2. p. 92.* *castaneum.*
Scirpus castaneus. *Mich. fl. amer. 1. p. 31.*
Scirpus carolinianus. *Lam. illustr. 1. p. 142.*
Schœnus umbellatus. *Walt. fl. car. 70.*
In Carolina and Florida. ♃. July. *v. v.*

3. F. spicis cylindricis obtusissimis, involucro submonophyllo rigido umbellam simplicem æquante. *Vahl. enum. pl. 2. p. 293.* *cylindricum.*
Scirpus palustris altissimus, &c. *Gron. fl. virg. 11.*
In North America. *Bosc.* ♃. +.

4. F. spicis oblongis teretibus acutis, involucro diphyllo rigido umbellam decompositam æquante. *Vahl. enum. pl. 2. p. 294.* *spadiceum.*
Scirpus spadiceus. *Willd. sp. pl. 1. p. 305.*
Icon. *Sloan. hist. 1. t. 76. f. 2.*
On the banks of rivers in Carolina and Florida. ♃. July. *v. s.*

56. CYPERUS. *Gen. pl.* 93.

* *Culmo tereti.*

articulatus. 1. C. spiculis compressis elongatis nitidiusculis, involucro subnullo, culmo articulato. *Vahl. enum. pl.* 2. *p.* 301.
Icon. *Sloan. hist. jam.* 1. *t.* 81. *f.* 1.
In small slow streams: Carolina and Georgia. ♃. July. *v. v.*

** *Culmo triquetro.*

‖ *Spiculis aggregatis.*

Kyllingæoides. 2. C. capitulo globoso, spiculis oblongis convexis suboctofloris, involucro tetraphyllo foliisque carinatis laxis. *Vahl. enum. pl.* 2. *p.* 312.
Icon. *Rottb. gram. t.* 4. *f.* 5. C. dubius, *p.* 20.
In wet pine-woods: New Jersey, Carolina, &c. ♃. June. *v. v.*

uncinatus. 3. C. capitulo subgloboso glomerato, spiculis linearibus suboctofloris: valvulis lanceolatis recurvato-acuminatis, involucro subdiphyllo longissimo.
On overflowed gravelly banks of rivers and lakes: Canada, in New York, on Lake Champlain. ♂. June. *v. v.*
Planta pusilla. *Folia* linearia glabra, longitudine culmi. Culmus setaceus, acute triquetrus, biuncialis. *Involucri* foliola 2. interdum 3. unum culmo longius, structura foliorum. *Capitulum* solitarium, conglomeratum, ratione plantæ magnum. *Spiculæ* numerosæ, divaricatæ, lineari-oblongæ, 6—8-floræ: valvulæ lanceolato-ovatæ, longe acuminatæ, apice divaricato quasi uncinatim reflexæ, nervosæ, pallide castaneæ, margine albidæ. C. *pygmæo* affinis.

poæformis. 4. C. spiculis oblongis complanatis fasciculato-corymbosis: fasciculis sessilibus pedunculatisque, involucro triphyllo longissimo.
In sandy fields: South Carolina, &c. ♃. July. *v. v.*
Planta spithamæa. *Folia* angusto-linearia, glabra, vix longitudine culmi. *Culmus* trigonus, glaber. *Involucrum* triphyllum; foliolis 2. longissimis. *Fasciculis* florum ovatis, sessilibus, uno alterove brevi pedunculato. *Ochreæ* truncatæ, coloratæ. *Spiculæ* ovato-oblongæ, circiter octo, breves, quatuor—sex-floræ: valvulæ ovatæ, obtusæ, carinatæ, flavescentes. An C. *difformis?*

‖ ‖ *Umbellæ radiis elongatis: spiculis terminalibus, umbellatis.*

5. C. spiculis linearibus digitato-subternis, umbella involucrum diphyllum subæquante. *Vahl. enum. pl.* 2. *p.* 318. *autumnalis.*
Scirpus autumnalis. *Rottb. gram. p.* 58.
Cyperus juncoides. *Lam. illustr.* 1. *p.* 147.
Cyperus complanatus. *Willd. sp. pl.* 1. *p.* 270.
Icon. *Rottb. gram. t.* 17. *f.* 3.
On the edge of ponds and ditches in Virginia and Carolina. ♃. July, Aug. *v. v.* Spikes very slender; valves purple with a green carina; stem nearly cylindric.

6. C. spiculis digitatis subquaternis lanceolato-oblongis valvulis mucronatis latioribus membranaceis. *Vahl. enum. pl.* 2. *p.* 324. *Willd. sp. pl.* 1. *p.* 282. *compressus.*
Icon. *Rottb. gram. t.* 9. *f.* 3. *Sloan. hist. jam.* 1. *t.* 17. *f.* 1.
In low meadows: Pensylvania to Carolina. ♃. July. *v. v.*

7. C. spiculis oblongo-ovatis obtusis, umbellulis confertis aphyllis, foliis angustis. *Rich. in act. soc. linn. par. p.* 106. *brizæus.*
In swamps of Carolina. ♃. July. *v. v.*

8. C. spiculis lanceolatis subgloboso-capitatis compactis, valvulis ovatis uninervibus, involucro umbella longiore. *Vahl. enum. pl.* 2. *p.* 326. *Willd. sp. pl.* 1. *p.* 283. *vegetus.*
C. compressus. *Jacq. hort. vind.* 3. *t.* 12.
C. glomeratus. *Walt. fl. car.* 70.
C. Eragrostis. *Lam. illustr.* 1. *p.* 146.
C. declinatus. *Mœnch.*
C. monandrus. *Roth, catalect.* 1. *p.* 3.
Icon. *Jacq. l. c.*
On the borders of ponds, frequent. ♃. July, Aug. *v. v.*

9. C. spiculis ovato-lanceolatis capitatis, involucro subhexaphyllo longissimo margine scabro. *Vahl. enum. pl.* 2. *p.* 327. *formosus.*
In Louisiana. *Jussieu.* ♃. +.

10. C. spiculis linearibus globoso-capitatis patentissimis, umbella subuniradiata, involucris triphyllis culmisque setaceis. *Vahl. enum. pl.* 2. *p.* 328. *filiculmis.*
In Carolina. *Vahl.* ♃. +.

‖‖‖ *Umbella radiis elongatis: spiculis alternis.*

filicinus. 11. C. spiculis lineari-lanceolatis remotiusculis laxe imbricatis, involucro triphyllo umbella longiore foliisque laxis. *Vahl. enum. pl.* 2. *p.* 332.
In swamps of Virginia and North Carolina. ♃. July. *v. v.*

flavescens. 12. C. spiculis lineari-lanceolatis confertis, involucro triphyllo umbella trifida longiore. *Vahl. enum. pl.* 2. *p.* 335. *Willd. sp. pl.* 1. *p.* 279.
Icon. *Fl. græca, t.* 47.

castaneus. β C. pusillus, spiculis brevioribus castaneis.
Common in low grounds. ♃. June, July. *v. v.*

Hydra. 13. C. spicis corymbosis, spiculis lineari-lanceolatis distantibus, foliis recurvatis, tuberibus oblongo-subrotundis. *Vahl. enum. pl.* 2. *p.* 344. *Mich. fl. amer.* 1. *p.* 27.
In cultivated fields and barren woods: Virginia to Florida. ♃. July. *v. v.*

tuberosus. 14. C. spiculis lineari-lanceolatis convexiusculis, involucro triphyllo umbella quinqueradiata longiore. *Vahl. enum. pl.* 2. *p.* 340.
Icon. *Rottb. gram. t.* 7. *f.* 1. *Nut-grass.*
On the banks of Delaware and other rivers: Pensylvania to Carolina. ♃. June, July. *v. v.* The roots are very sweet, and eaten by children.

tenuiflorus. 15. C. spicis corymbosis, spiculis linearibus convexiusculis, involucro umbella longiore, culmo folioso. *Vahl. enum. pl.* 2. *p.* 347.
Icon. *Rottb. gram. t.* 14. *f.* 1.
In wet fields in Carolina and Georgia. ♃. July. *v. v.*

virens. 16. C. spicis corymbosis, spiculis ovalibus, involucro longissimo. *Vahl. enum. pl.* 2. *p.* 353. *Mich. fl. amer.* 1. *p.* 28.
In wet meadows and woods: Pensylvania to Carolina. ♃. July, Aug. *v. v.*

odoratus. 17. C. spicis corymbosis, spiculis subulatis remotis distichis, valvulis subdistantibus, umbellis patentissimis involucellum subæquantibus. *Vahl. enum. pl.* 2. *p.* 350. *Willd. sp. pl.* 1. *p.* 284.
Icon. *Sloan. hist. jam.* 1. *t.* 74. *f.* 1. *et t.* 8. *f.* 1.
On the banks of rivers: Pensylvania to Florida, rare. ♃. Aug. *v. v.*

strigosus. 18. C. spicis oblongis laxis, spiculis subulatis patentibus re-

motiusculis, involucellis subnullis, umbellulæ radiis alternis. *Vahl. enum. pl. 2. p. 358. Willd. sp. pl. 1. p. 281.*

In swamps and ditches, common. ♃. July. *v. v.*

19. C. spiculis lineari-lanceolatis, valvulis oblongis obtusis, fructiferis patentibus, involucro longissimo. *Vahl. enum. pl. 2. p. 360. Mich. fl. amer. 1. p. 27.* *flavicomus.*

C. elegans. *Walt. fl. car. 70.*

In boggy woods: Pensylvania to Carolina. ♃. July, Aug. *v. v.*

20. C. spicis distichis, spiculis filiformibus patentibus, flosculis distantibus, umbella stricta. *Vahl. enum. pl. 2. p. 362. Willd. sp. pl. 1. p. 288.* *distans.*

Icon. *Rottb. gram. t. 10.* C. elatus.

In sandy wet woods: Carolina and Georgia. ♃. *v. s.*

21. C. spicis corymbosis, spiculis subulatis distichis, umbellulis involucello breviforibus, ochreis biaristatis, culmo acutangulo. *Vahl. enum. pl. 2. p. 364.* *speciosus.*

C. virginicus? *Jacq. in Herb. Lambert.*

In Virginia. *Vahl.* ♃. *v. s. in. Herb. Lambert.*

22. C. spicis corymbosis oblongis basi ramosis nudis, spiculis numerosis divaricatis confertis linearibus subsexfloris, valvulis oblongis striatis, involucro octophyllo umbellam subæquante. *Enslenii.*

In ditches and near ponds: Virginia to Florida, rare. Aug. *v. v.*

Folia radicalia, linearia, 3-nervia, glabra, margine carinaque scabra, culmo breviora. *Culmus* lævigatus, triquetrus. *Involucrum* suboctophyllum: foliola interiora breviora, exteriora radiis umbellæ longiora. *Umbella* composita: radii octo vel decem. *Spicæ* oblongæ, basi ramosæ, magnæ. *Spiculæ* numerosæ (circiter 100), horizontales, castaneæ. Ab var. C. *speciosi?*

I have named this species in memory of Mr. Enslen, through whose generous communication I have been put in possession of a number of grasses and other plants growing in the southern States.

57. DULICHIUM. *Pers. ench. 1. p. 65.*

1. D. culmo triquetro folioso, spiculis patulis subsexfloris. *spathaceum.*
Pers. ench. l. c.

Pleuranthus floribundus. *Rich.*

Cyperus spathaceus. *Willd. sp. pl. 1. p. 289.*

Schœnus angustifolius. *Vahl. enum. pl.* 2. *p.* 223.
Scirpus spathaceus. *Mich. fl. amer.* 1. *p.* 32.
Icon. *Pluk. alm. t.* 301. *f.* 1.
In swamps and bogs from Canada to Florida. ♃. July, Aug. *v. v.*

canadense. 2. D. racemis simplicibus pedunculatis, spiculis paucis erectis subdecemfloris. *Pers. l. c.*
In Canada and New York, in similar situations, rare. ♃. Aug. *v. v.* Lower growth and shorter leaves than No. 1.

58. SCIRPUS. *Gen. pl.* 94.

* *Culmo monostachyo.*

acicularis. 1. S. spica ovata, squamis duabus infimis majoribus, culmis tetragonis setaceis, vaginis muticis. *Vahl. enum. pl.* 2. *p.* 245. *Willd. sp. pl.* 1. *p.* 295.
Icon. *Pluk. alm. t.* 40. *f.* 7. *Host. gram.* 3. *t.* 60.
In shallow ponds and pools, under water, common. ♃. July, Aug. *v. v.*

pusillus. 2. S. spica oblonga acuta (pauciflora): squamis linearibus acutis, culmis angulatis capillaribus. *Vahl. enum. pl.* 2. *p.* 246.
S. capillaris. *Mich. fl. amer.* 1. *p.* 30.
In springs and ditches, frequent. ♃. June, July. *v. v.* The smallest of the genus.

palustris. 3. S. spica ovali, squamis lanceolatis acutis, culmis teretibus, vaginis muticis lanceolatis acutis, radice repente. *Vahl. enum. pl.* 2. *p.* 247. *Willd. sp. pl.* 1. *p.* 291.
Icon. *Fl. dan. t.* 273. *Host. gram.* 3. *t.* 55.
In overflowed fields and ditches, frequent. ♃. July, *v. v.*

tuberculosus. 4. S. spica ovata acuta, squamis subrotundis, seminibus tuberculo ovato coronatis, culmis teretibus. *Vahl. enum. pl.* 2. *p.* 248. *Mich. fl. amer.* 1. *p.* 30.
In Lower Carolina. *Michaux.* ♃. +.

filiformis. 5. S. spica cylindrica oblonga obtusa, squamis subrotundis, seminibus vertice nudis, culmis filiformibus teretibus. *Vahl. enum. pl.* 2. *p.* 248. *Lam. illustr.* 1. *p.* 138.
In wet fields, near ditches: New Jersey to Carolina. ♃. July, Aug. *v. v.*

ovatus. 6. S. spica ovata, squamis oblongis, floribus subdiandris, culmis subcompressis, vaginis muticis. *Vahl. enum. pl.* 2. *p.* 249. *Willd. sp. pl.* 1. *p.* 294.

S. compressus. *Mœnch. meth.* 394.
Icon. *Moris. hist.* 3. *s.* 8. *t.* 10. *f.* 34. *Host. gram.* 3. *t.* 56.
Near ponds and ditches: Pensylvania. ♃. July. *v. v.*

7. S. spica subglobosa, culmis sulcato-angulatis setaceis, vaginis muticis, spica subglobosa. *Vahl. enum. pl.* 2. *p.* 250. *Willd. sp. pl.* 1. *p.* 294. *capitatus.*
Icon. *Rottb. gram. t.* 15. *f.* 3.
In small ponds, very common. ♃. Aug. *v. v.*

8. S. spica ovato-oblonga, squamis ovato-subrotundis, culmis teretibus approximate interstinctis. *Vahl. enum. pl.* 2. *p.* 250. *Willd. sp. pl.* 1. *p.* 291. *geniculatus.*
Icon. *Sloan. hist.* 1. *t.* 83. *f.* 3.
On the sea-shore of Virginia and Carolina. ♃. July. *v. v.*

9. S. spica cylindrica, squamis oblongo-subrotundis, culmis tetragonis. *Vahl. enum. pl.* 2. *p.* 252. *Mich. fl. amer.* 1. *p.* 30. *quadrangulatus.*
In Carolina. *Michaux.* ♃. +.

** *Culmo polystachyo: spicis lateralibus.*

10. S. spicis ovatis acutis subsolitariis, culmis foliisque capillaribus curvatis. *Vahl. enum. pl.* 2. *p.* 253. *minimus.*
Icon. *Pluk. alm. t.* 300. *f.* 5. *Rottb. gram. t.* 15. *f.* 4.
S. *setaceus.*
In wet sandy fields and near ponds: Virginia to Carolina. ♃. July. *v. v.*

11. S. spicis brevi-ovatis conglomerato-sessilibus, squamis subrotundis membranaceis, culmis striatis. *debilis.*
In wet meadows: Pensylvania. ♃. July, Aug. *v. v.*
Culmi teretes, striati, pedales et ultra. *Spiculæ* 4—6. crassæ. *Squamis* latis, acutiusculis. *Setulæ* semine duplo longiores. Affinis S. *setaceo.*

12. S. aphyllus, spicis oblongis; squamis integerrimis mucronato-acuminatis, culmo triquetro. *Vahl. enum. pl.* 2. *p.* 256. *Willd. sp. pl.* 1. *p.* 303. *mucrónatus.*
Icon. *Host. gram.* 3. *t.* 66.
In swamps and salt-marshes: Canada to Carolina. ♃. Aug. *v. v.*

*** *Culmo polystachyo: spicis terminalibus.*

13. S. aphyllus, spicis oblongis, squamis glabris mucronu- *lacustris.*

latis, stylis trifidis, umbella decomposita, culmo tereti. *Vahl. enum. pl.* 2. *p.* 267. *Willd. sp. pl.* 1. *p.* 296.
Icon. *Fl. dan. t.* 1142. *Host. gram.* 3. *t.* 61.
In stagnant waters: Canada to Carolina. ♃. July. *v. v.*

validus. 14. S. aphyllus, spicis ovato-oblongis, squamis dorso villosis, stylis bifidis, umbella decomposita, involucro brevissimo apice tereti. *Vahl. enum. pl.* 2. *p.* 268.
In lakes and ponds: Canada to Carolina. ♃. Aug. *v. v.*
From four to ten feet high.

robustus. 15. S. spicis oblongis, corymbo composito, involucris polyphyllis longissimis, involucellis ovatis longissime aristatis, squamis acutis aristatis, apice laceris, culmo triquetro folioso.
S. maritimus β macrostachyos. *Mich. fl. amer.* 1. *p.* 32.
In salt-marshes and on the banks of rivers, common. ♃. Aug. *v. v.* Certainly specifically distinct from S. *maritimus*, with which I carefully compared it.

americanus. 16. S. spiculis sessilibus conglomeratis oblongo-ovatis mucrone brevioribus, culmo acute triquetro nudo. *Pers. ench.* 1. *p.* 68.
S. triqueter. *Mich. fl. amer.* 1. *p.* 30.
In salt marshes, frequent. ♃. July, Aug. *v. v.*

sylvaticus. 17. S. spicis oblongis congestis, corymbo supradecomposito folioso, squamis oblongis obtusiusculis viridibus, culmo folioso trigono.
Icon. *Host. gram.* 3. *t.* 68. *Fl. dan. t.* 307.
In Canada. *Michaux.* ♃. +.

exaltatus. 18. S. spicis brevi-ovatis congestis, corymbo composito, squamis rhomboideis carinatis mucronatis coloratis, culmo folioso obtuse trigono.
S. brunneus. *Muhlb. in litt.*

viviparus. β S. culmo altissimo subscandente, corymbis viviparis basi ramulorum floriferis.
In shady woods: New York to Carolina. ♃. July, Aug. *v. v.* The viviparous variety grows in deep shady swamps, and frequently acquires the height of ten feet and more.

nitens. 19. S. spicis ovatis pedicellatis, corymbis subcompositis axillaribus terminalibusque, culmo tereti. *Vahl. enum. pl.* 2. *p.* 272.
In Virginia and Carolina. ♃. July. *v. v.*

lineatus. 20. S. spicis oblongo-ovatis pedicellatis, corymbis axillaribus terminalibusque supradecompositis, pedunculis elon-

gatis, culmo trigono. *Vahl. enum. pl. 2. p. 273. Mich. fl. amer. 1. p. 32.*
Trichophorum lineatum. *Pers. ench. 1. p. 69.*
In sandy wet woods; New Jersey to Carolina. ♃. July. *v. v.* The seeds are naked, consequently it is no Trichophorum.

21. S. spicis capitulisque subglobosis glomeratis, corymbo terminali, culmo folioso. *Vahl. enum. pl. 2. p. 274.* *polyphyllus.*
Schœnus cymosus. *Willd. sp. pl. 1. p. 265?*
In shady woods: Virginia and Carolina. ♃. July. *v. v.*

22. S. spicis ovatis, umbella biradiata, culmo capillari. *Vahl. enum. pl. 2. p. 276. Linn. mant. 321.* *capillaris.*
S. pusillus autumnalis, &c. *Gron. fl. virg. 11.*
In Virginia. ♃. July. *v. s. in Herb. Gronov.*

23. S. spicis oblongis acutis, involucro diphyllo umbella composita breviore, culmo ancipiti, foliis linearibus. *Willd. sp. pl. 1. p. 301. excl. syn. Rottboellii.* *autumnalis.*
S. foliosus pusillus autumnalis, &c. *Gron. fl. virg. 10.*
S. mucronulatus. *Mich. fl amer. 1. p. 32.*
In sandy wet fields: New Jersey to Carolina. ♃. Aug. *v. v.; v. s. in Herb. Gronov.*

59. TRICHOPHORUM. *Pers. ench. 1. p. 69.*

1. T. culmo triquetro folioso, panicula decomposita, spiculis confertis ovatis. *Pers. l. c.* *cyperinum.*
Scirpus Eriophorum. *Mich. fl. amer. 1. p. 33.*
Eriophorum cyperinum. *Willd. sp. pl. 1. p. 313.*
Icon. *Pluk. mant. t. 419. f. 3.*
In ditches and near ponds, from Canada to Carolina. ♃. July, Aug. *v. v.* Very tall.

2. T. culmo triquetro nudo, foliis canaliculato-setaceis, spica simplici. *alpinum.*
Eriophorum hudsonianum. *Mich. fl. amer. 1. p. 34.*
In bogs on the mountains of Pensylvania, Vermont, &c. ♃. Aug. *v. v.*

60. ERIOPHORUM. *Gen. pl. 95.*

1. E. culmis superne trigonis, spica oblonga unica, squamis scariosis. *Host. gram. 1. p. 33.* *cespitosum.*
Icon. *Host. l. c. t. 39.*
On high mountain meadows: Canada to Virginia. ♃. June, July. *v. v.*

polystachium. 2. E. culmis foliosis teretibus, foliis planis, spicis pedunculatis, seminibus ovatis. *Roth. neue beytr.* 1. *p.* 84. *Willd. sp. pl.* 1. *p.* 312.
Icon. *Host. gram.* 1. *t.* 37. *Engl. bot.* 563.
In bog-meadows: common. ♃. May. *v. v.*

angustifolium. 3. E. culmis foliosis teretibus, foliis canaliculato-triquetris, spicis pedunculatis, seminibus ovatis. *Roth. neue beytr.* 1. *p.* 94. *Willd. sp. pl.* 1. *p.* 313.
Icon. *Engl. bot.* 564.
In mountain meadows, frequent. ♃. May. *v. v.*

virginicum. 4. E. culmo tereti folioso, foliis planis, spicis congestis subsessilibus involucro brevioribus. *Vahl. enum. pl.* 2. *p.* 390. *Willd. sp. pl.* 1. *p.* 313.
Icon. *Pluk. alm. t.* 299. *f.* 4.
Common in bog-meadows, from Canada to Georgia. ♃. April, May. *v. v.*

61. VAGINARIA. *Pers. ench.* 1. *p.* 70.

Richardi. 1. V. culmo aphyllo vaginato, spica ovata subsolitaria, squamis lanceolato-spathulatis. *Pers. l. c.*
Fuirena scirpoidea. *Mich. fl. amer.* 1. *p.* 38.
Icon. *Mich. l. c. t.* 7.
In overflowed fields: Georgia to Florida. ♃. *v. s.*

62. FUIRENA. *Gen. pl.* 90.

squarrosa. 1. T. umbellis simplicibus, spiculis ovatis, culmo glabro, foliis ciliatis, vaginis pilosis. *Vahl. enum. pl.* 2. *p.* 385. *Mich. fl. amer.* 1. *p.* 37.
In bog-meadows: New Jersey, Carolina, &c. ♃. July. *v. v.* A very handsome little grass.

63. MARISCUS. *Vahl. enum. pl.* 2. *p.* 372.

ovularis. 1. M. spicis ovali-subrotundis, involucris polyphyllis. *Vahl. enum. pl.* 2. *p.* 374.
Schœnus umbellatus. *Jacq. collect.* 1. *p.* 113.
Kyllingia ovularis. *Mich. fl. amer.* 1. *p.* 29.
Icon. *Pluk. alm. t.* 91. *f.* 4. *Jacq. ic. rar.* 1. *t.* 10?
In sandy wet places: Georgia and Carolina. ♃. *v. s.*

retrofractus. 2. M. spicis retrorsum subimbricatis, spiculis subulatis retrofractis, involucro triphyllo. *Vahl. enum. pl.* 2. *p.* 375.

Scirpus retrofractus. *Willd. sp. pl.* 1. *p.* 304.
Icon. *Pluk. alm. t.* 415. *f.* 4.
In rocky shady situations, on the banks of rivers: Virginia, Carolina, &c. ♃. July. *v. v.* Stems and leaves very rough.

3. M. spicis cylindricis retrorsum imbricatis, involucris polyphyllis. *Vahl. enum. pl.* 2. *p.* 376. *umbellatus.*
Scirpus cyperoides. *Linn. mant.* 181.
Kyllingia umbellata. *Linn. suppl.* 105.
Icon. *Rottb. gram. t.* 4. *f.* 2.
In shady woods: Virginia and Carolina. ♃. Aug. *v. v.*
The American specimen is without partial involucres, in every other respect it agrees with the description.

64. MIEGIA. *Pers. ench.* 1. *p.* 101.

1. Miegia. *Pers. ench.* 1. *p.* 102. *macrosperma.*
Arundinaria macrosperma. *Mich. fl. amer.* 1. *p.* 74.
Arundo gigantea. *Walt. fl. car.* 81.
In extensive tracts on the Mississippi and Floridas, called Cane brakes, almost impenetrable. *Arundo tecta* of Walter seems to be only a variety of this species. ♃. March, April. *v. v.*

65. LIMNETIS. *Richard in Pers. ench.* 1. *p.* 72.

1. L. foliis distichis brevisculis setaceo-convolutis, spicis paucis remotis patulis, calyce acuminato; carinis asperis. *Pers. ench.* 1. *p.* 72. *juncea.*
Trachynotia juncea. *Mich. fl. amer.* 1. *p.* 64.
Dactylis patens. *Donn. hort. cant.* 25.
In dry salt meadows, common. ♃. July. *v. v.*

2. L. subglauca, foliis longissimis, spicis plurimis alternis secundis, calyce aristato acuminato: carinis aculeatis. *Pers. ench.* 1. *p.* 72. *cynosuroides.*
Trachynotia cynosuroides. *Mich. fl. amer.* 1. *p.* 64.
On rocky sea-shores, frequent. ♃. July. *v. v.*

3. L. foliis latis planis, spicis pluribus undique versis longis linearibus, carinis aculeatis. *Pers. ench.* 1. *p.* 72. *polystachya.*
Trachynotia polystachya. *Mich. fl. amer.* 1. *p.* 64.
Dactylis cynosuroides. *Willd. sp. pl.* 1. *p.* 407.
Common in salt-marshes, from Canada to Florida. ♃. Aug. *v. v.*

66. CENCHRUS. *Gen. pl.* 1574.

tribuloides. 1. C. spica spiculis alternis, glumis femineis globosis muricato-spinosis hirsutis. *Willd. sp. pl.* 1. *p.* 317.
C. carolinianus. *Walt. fl. car.* 79.
Icon. *Sloan. hist.* 1. *t.* 63. *f.* 1.
Near the sea-shore, from New Jersey to Florida. ☉. June, July. *v. v.*; *v. s. in Herb. Walter.*

67. ORYZOPSIS. *Mich. fl. amer.* 1. *p.* 51.

asperifolia. 1. O. culmo subnudo, foliis erectis subpungentibus asperis. *Mich. l. c.*
Icon. *Mich. l. c. t.* 9.
On high mountain meadows: Canada and Pensylvania. ♃. July, Aug. *v. v.* I observed this grass on the Broad mountains of Pensylvania, and consider it worth the attention of farmers, as the considerable large seeds contain the finest flour of any grain I know.

II. *DIGYNIA.*

68. ZIZANIA. *Gen. pl.* 1433. Indian Rice.

aquatica. 1. Z. panicula pyramidata, inferne divaricata mascula, superne spicata feminea, fulcris florum clavatis, aristis longis, semine elongato.
Z. aquatica. *Lambert. in linn. trans.* 7. *p.* 264.
Z. palustris. *Linn. mant.* 295. *Gron. virg.* 148.
Z. clavulosa. *Mich. fl. amer.* 1. *p.* 75.
Icon. *Lambert. l. c. t.* 13. *Tuscarora or Wild Rice.*
In all the waters from Canada to Florida, common. ♃. July, Aug. *v. v.*

miliacea. 2. Z. panicula effusa, glumis brevi-aristatis: masculis et femineis mixtis, semine ovato lævi. *Mich. fl. amer.* 1. *p.* 74.
Z. aquatica. *Willd. sp. pl.* 4. *p.* 394?
Icon. *Sloan. hist.* 1. *t.* 67?
On the tide water meadows and ditches: Pensylvania and Carolina. ♃. Aug. *v. v.*

3. Z. pusilla, culmis gracilibus ramosis, foliis linearibus planis, spicis solitariis axillaribus setaceis subquadrifloris, glumis muticis. *Mich. fl. amer.* 1. *p.* 75. *fluitans.*
On the banks of Lake Champlain and St. Laurence. ♃. July. *v. v.*

69. MUHLENBERGIA. *Gen. pl.* 103.

1. M. culmo debili ramoso foliisque glabris, panicula coarctata, calyce univalvi. *Pers. ench.* 1. *p.* 73. *diffusa.*
Dilepycum minutiflorum. *Mich. fl. amer.* 1. *p.* 40.
On dry grassy hills, frequent. ♃. June, July. *v. v.*

2. M. culmo firmo simplici foliisque pubescentibus, panicula laxa, calyce bivalvi, arista longissima. *Pers. ench.* 1. *p.* 73. *erecta.*
Dilepycum aristosum. *Mich. fl. amer.* 1. *p.* 40.
In dry shady woods, from Canada to Carolina. ♃. July. *v. v.*

70. TRICHODIUM. *Mich. fl. amer.* 1. *p.* 41.

1. T. culmis erectis, foliis angustis breviusculis, vaginis asperiusculis, glumis lanceolatis. *Mich. fl. amer.* 1. *p.* 42. *laxiflorum.*
Cornucopiæ hyemalis. *Walt. fl. car.* 73.
Agrostis scabra. *Willd. sp. pl.* 1. *p.* 370.
Agrostis laxa. *Schreb. gram.*
Icon. *Mich. fl. amer.* 1. *t.* 8.
Common in all grassy situations. ♃. May—Aug. *v. v.*

2. T. culmis decumbentibus, foliis patulis, vagina lævi, glumis lineari-lanceolatis sensim acutis. *Mich. fl. amer.* 1. *p.* 42. *decumbens.*
Cornucopiæ perennans. *Walt. fl. car.* 74.
Agrostis anomala. *Willd. sp. pl.* 1. *p.* 370.
Agrostis cornucopiæ. *Fraser. monogr. cum icone.*
Icon. *Fraser. monogr.*
On moist hills and short grass meadows, from Canada to Carolina. ♃. June—Aug. *v. v.* This and the first species are highly valuable grasses. *Vide* Fraser's Monogr. and Walter's Flora.

3. T. culmis erectis, foliis angustis scabris, vaginis glabris, valvis membranaceis ovato-lanceolatis acuminatis. *elatum.*
Cornucopiæ altissima. *Walt. fl. car.* 74.
Agrostis dispar. *Mich. fl. amer.* 1. *p.* 52.

In sandy deep swamps: New Jersey, Carolina, &c: ♃. July, Aug. *v. v.* Near three feet high; panicle close, coloured.

71. LEERSIA. *Gen. pl.* 105.

oryzoides. 1. L. panicula effusa, spiculis triandris patulis, glumis oblongo-ovalibus carina ciliatis. *Willd. sp. pl.* 1. *p.* 325.
L. virginica. *Willd. l. c.*
Icon. *Host. gram.* 1. *t.* 35.
In wet woods and ditches, frequent. ♃. July. *v. v.*

lenticularis. 2. L. paniculæ ramis subsolitariis, spiculis imbricatis, glumis orbiculatis ciliatis majusculis. *Mich. fl. amer.* 1. *p.* 39. *Fly-catch-grass.*
In wet gravelly woods in Illinois and Virginia. ♃. July. *v. v.* This singular and elegant grass I found on the islands of Roanoak river in North Carolina, and observed it catching flies in the same manner as *Dionæa muscipula:* the valves of the corolla are nearly of the same structure as the leaves of that plant. I communicated specimens with this particular circumstance to Dr. B. S. Barton of Philadelphia, who has made mention of it in a paper on the *irritability of plants.*

72. MILIUM. *Gen. pl.* 110. Millet-grass.

amphicarpon. 1. M. paniculæ ramis strictis simpliciusculis, floribus masculis alternis pedunculatis; floribus femineis in scapis unifloris radicalibus vaginatis, demum subterraneis.
In light sandy fields of New Jersey near Egg-harbour. July, Aug. *v. v.*
Culmi plures teretes, vaginati, sesquipedales et ultra.
Folia lato-linearia, striata, geniculis brevibus, undique pilis longis albidis rigidis tuberculo insidentibus tecta.
Vaginæ teretes, striati: suprema aphylla, more foliorum pilosæ. *Ligula* barbata.
Panicula in summitate culmi, pauciflora, stricta: ramis simpliciusculis; pedicellis florum clavatis. *Glumis* oblongis, acutis, nervosis, æqualibus, glabriusculis.
Flores omnibus masculis.
Flores femînei in scapis radicalibus unifloris basi vaginatis. *Flores* ante anthesin erecti, dein reflexi, ad maturitatem seminis magni subrotundi subterranei.
This singular grass deserves particular examination in the living plants, as I had no opportunity to describe

it on the spot where I first found it; not being aware of its curiosity, until I examined the dried specimens.

73. AGROSTIS. *Gen. pl.* 111. Bent-grass.

* *Aristatæ.*

1. A. petalo exteriore arista recta stricta longissima, paniculâ patulâ. *Willd. sp. pl.* 1. *p.* 361. *Spica venti.*
Icon. *Host. gram.* 3. *t.* 47. *Engl. bot.* 951.
In rye-fields in Pensylvania and Virginia; brought there by seeds of grain from Europe. ☉. June, July. *v. v.*

2. A. paniculæ simplicissimæ ramis adpressis, corollis aristatis, arista flore longioribus. *Willd. sp. pl.* 1. *p.* 364. *tenuiflora.*
On the banks of rivers: Virginia and Carolina. ♃. July. *v. v.*

3. A. paniculæ ramis unifloris filiformibus, corollis aristatis calyce inæquali duplo longioribus hirsutis vaginis villosis. *pauciflora.*
On high mountains in Virginia and Carolina. ♃. July. *v. v.*
Culmus sesquipedalis, glaber. *Folia* longissime-linearia, villosa, nervosa. *Vaginæ* striatæ, villosæ. *Ligula* brevis. *Panicula* simplicissima, ramis elongatis unifloris. *Cal.* valvis inæqualibus, villosis, brevi-aristatis. *Cor.* oblonga, villosa, calycis valvulâ interiore duplo longior, brevi-aristata.

4. A. panicula elongata stricta, corollis calyce minoribus: arista e basi petali tortili, flore longiore. *Willd. sp. pl.* 1. *p.* 366. *stricta.*
In good meadow grounds, very frequent. ♃. June, July. *v. v.*

5. A. calycibus elongatis, petalorum arista dorsali recurva, culmis prostratis subramosis. *Willd. sp. pl.* 1. *p.* 367. *canina.*
Icon. *Fl. dan.* 161.
In wet meadows, frequent. Brought from Europe. ♃. July. *v. v.*

** *Muticæ.*

6. A. panicula patente, ramulis divaricatis capillaribus, calycibus æqualibus, petalo interiore duplo breviore retuso. *Smith fl. brit.* 1. *p.* 79. *vulgaris.*
A. hispida. *Willd. sp. pl.* 1. *p.* 370.
A. capillaris. *Retz. scand. no.* 95.

Icon. *Fl. dan.* 161.
Common in all grassy fields. ♃. July. *v. v.*

aspera. 7. A. paniculis coarctatis lateralibus terminalibusque, ginis barbatis, foliis recurvatis asperis, glum interioribus triplo majoribus. *Mich. fl. amer.*
A. barbata. *Pers. ench.* 1. *p.* 75.
A. littoralis. *Lam. illust.* 1. *p.* 161.
In the western districts of the United States, in rocky situations. *Michaux.* On the sea-shore of Florida. *Lam.* ♃. July. *v. s. in Herb. Enslin.*

alba. 8. A. panicula laxa, calycibus muticis æqualibus, culmo repente. *Willd. sp. pl.* 1. *p.* 371.
On the banks of rivulets and springs, frequent. ♃. July. *v. v.*

pungens. 9. A. panicula contracta spicæformi, foliis involutis, rigidis pungentibus superioribus oblique oppositis, culmo ramoso. *Schreb. gram.* 2. *p.* 46.
A. virginica. *Willd. sp. pl.* 1. *p.* 373.
Icon. *Schreb. l. c. t.* 27. *f.* 3.
On dry gravelly hills in Virginia. ♃. July, Aug. *v. v.*

Cinna. 10. A. panicula magna, debili, foliis lato-linearibus glabris, valvula altera infra apicem subaristata, caule glabro.
Cinna arundinacea. *Willd. sp. pl.* 1. *p.* 31.
On rivers and islands, under the tide waters, common; from Canada to Carolina. ♃. Aug. *v. v.*

mexicana. 11. A. panicula oblonga congesta, calycibus corollisque acuminatis subæqualibus muticis. *Willd. sp. pl.* 1. *p.* 374.
In wet meadows: Virginia, &c. ♃. June. *v. v.*

indica. 12. A. panicula contracta mutica, racemis lateralibus erectis alternis, glumæ valvis exterioribus longissimis, foliis longissimis, sensim setaceo-convolutis. *Mich. fl. amer.* 1. *p.* 52. *Willd. sp. pl.* 1. *p.* 375.
In Carolina, Florida, &c. *Michaux.* ☉. +. *v. s. in Herb. Lambert.*

juncea. 13. A panicula oblongo-pyramidata, floribus muticis: valvula extima duplo minore, foliis stricte erectis convoluto-setaceis rigidulis. *Mich. fl. amer.* 1. *p.* 52.
In barren sandy places: New Jersey to Florida. ♃. July, Aug. *v. v.*

lateriflora. 14. A. paniculis lateralibus terminalibusque coarctatis, floribus muticis, valvulis acutissimis: interioribus ma-

joribus basi barbatis, foliis planis brevibus. *Mich. fl. amer.* 1. *p.* 53.
In rich soil on the edges of woods, from New York to Florida, especially in the western countries. ♃. June, July. *v. v.* Apparently a grass worth the attention of the cultivator.

15. A. racemo oblongo, e spicis densifloris interrupto, glumæ exterioris valvis in mucronem aristiformem desinentibus, gluma interiore mutica longioribus. *Mich. fl. amer.* 1. *p.* 53. *racemosa.*
On the overflowed banks of the river Mississippi. +.

74. ANTHOXANTHUM. *Gen. pl.* 58.

1. A. spica oblonga ovata, flosculis subpedunculatis arista longioribus. *Willd. sp. pl.* 1. *p.* 156. *odoratum.*
Icon. *Host. gram.* 1. *t.* 5. *Fl. dan.* 666. *Engl. bot.* 647.
Common in meadows; probably brought with grass seeds from Europe. ♃. May—July. *v. v.*

75. PHALARIS. *Gen. pl.* 106.

1. P. panicula oblonga ventricosa coarctata, glumis acuminatis. *Pers. ench.* 1. *p.* 78. *Willd. sp. pl.* 1. *p.* 326. *arundinacea.*
Arundo colorata. *Ait. kew. ed.* 2. 1. *p.* 174.
Icon. *Host. gram.* 2. *t.* 33. *Engl. bot.* 402.
On river banks, frequent: Canada to Virginia. ♃. July, Aug. *v. v.*

2. P. panicula multiflora stricta, floribus ovatis villosis. *Mich. fl. amer.* 1. *p.* 43. *villosa.*
In woods of Carolina. *Michaux.* +.

76. PHLEUM. *Gen. pl.* 128. Timothy-grass.

1. P. spica cylindrica longissima ciliata, culmo erecto. *Willd. sp. pl.* 1. *p.* 354. *pratense.*
Icon. *Host. gram.* 3. *t.* 9.
In fields and meadows, common. ♃. ♂ June—Sept. *v. v.*

77. ALOPECURUS. *Gen. pl.* 102.

1. A. culmo erecto, glumis villosis, corollis muticis. *Willd. sp. pl.* 1. *p.* 357. *pratensis.*
Icon. *Host. gram.* 2. *t.* 31. *Engl. bot.* 759.
In fields and gardens, frequent, introduced from Europe. ♃. May—Aug. *v. v.*

subaristatus. 2. A. culmo erecto, glumis ovalibus obtusis, a[ristis] erta. *Mich. fl. amer.* 1. *p.* 43.
A. carolinianus, culmo radicante, panicula glumis lævibus, corollis aristatis. *Walt. fl.*
In swamps of Canada. *Michaux.* ♃. *v.* *Walter.*

78. PANICUM. *Gen. pl.* 107.

* *Spicata.*

glaucum. 1. P. spica tereti subflavida, involucellis bifloris fasciculato-setosis, seminibus transversim rugosis. *Lam. encycl.* 4. *p.* 736. *Willd. sp. pl.* 1. *p.* 335.
Icon. *Host. gram.* 2. *t* 16.
Common in fields and on road sides; probably from Europe. ⊙. June—Aug. *v. v.*

viride. 2. P. spica tereti subcomposita indivisa, involucellis setosis mitibus, seminibus nervosis. *Lam. encycl.* 4. *p.* 737. *Willd. sp. pl.* 1. *p.* 335.
Icon. *Host. gram.* 2. *t.* 14. *Engl. bot.* 875.
In sandy fields: Pensylvania and Virginia. ⊙. July. *v. v.*

verticillatum. 3. P. spica verticillata, racemulis quaternis, involucellis unifloris bisetis, culmis diffusis. *Willd. sp. pl.* 1. *p.* 334.
P. alopecuroideum. *Walt. fl. car.* 72.
Icon. *Host gram.* 2. *t.* 13.
In sandy woods: New Jersey to Carolina. ⊙. June, July. *v. v.*; *v. s. in Herb. Walter.*

hirtellum. 4. P. spica composita: spiculis adpressis alternis, calycibus geminis: valvulis omnibus aristatis: extima longissima. *Willd. sp. pl.* 1. *p.* 340.
Icon. *Host. gram.* 3. *t.* 52.
In shady places: Carolina and Florida. *Michaux.* +.

Crus galli. 5. P. spicis alternis conjugatisque crassis squarrosis, glumis hispidis aristatis, rachi angulato vaginis glabris. *Lam. encycl.* 4. *p.* 744. *Willd. sp. pl.* 1. *p.* 337.
Icon. *Host. gram.* 2. *t.* 19. *Engl. bot.* 876. *Fox-tail.*
aristatum. α. P. glumis omnibus aristatis: aristis prælongis.
mite. β. P. glumis omnibus muticis mucronatis.
purpureum. γ. P. glumis mucronatis coloratis.
In cultivated grounds, frequent. ⊙. July. *v. v.*

Wolteri. 6. P. spicis alternis erectis solitariis simplicibus, glumis ovatis, muricato-hispidis aristatis: arista altera lon-

gissima, rachi trigona, vaginis hispidissimis, foliis glabris.
P. muricatum. *Mich. fl. amer.* 1. *p.* 47.
P. hirtellum. *Walt. fl. car.* 72.
Near the salt-water: Canada and New York. ☉. July—Sept. *v. v.*; *v. s. in Herb. Lambert. nec non Walter.*

7. P. spicis solitariis alternis simplicissimis, rachi glumisque dense pubescentibus, glumis solitariis alternis ovatis muticis bifloris: flore altero masculo, altero hermaphrodito. *Mich. fl. amer.* 1. *p.* 47. *molle.*
In sedgy meadows: Florida. *Michaux.* +.

** *Paniculata.*

8. P. racemis linearibus virgatis, glumis clavatis coloratis, pilis sub panicula divisuris. *Lam. encycl.* 4. *p.* 737. *fusco-rubens.*
Icon. *Sloan. hist.* 1. *t.* 72. *f.* 2?
In rice fields in Georgia. ♃. Aug. *v. s.*

9. P. panicula oblonga, glumis majusculis glabris viridibus pulchre striatis. *Lam. encycl.* 4. *p.* 748. *striatum.*
In Carolina. *Fraser.* +.

10. P. panicula virgata ramosissima, glumis ovatis acuminatis muticis bifloris, foliis longissimis planis. *virgatum.*
P. virgatum. *Mich. fl. amer.* 1. *p.* 352.
P. coloratum. *Walt. fl. car.* 73.
On river sides: New England to Carolina. ♃. July, Aug. *v. v.* Very tall.

11. P. panicula capillacea ramosa, glumis striatis pubescentibus, seminibus nitidis, foliis remotis lanceolato-linearibus collo barbatis, caule glabro. *nitidum.*
P. nitidum, *Lam. encycl.* 4. *p.* 746. *Mich. fl. amer.* 1. *p.* 49.
β. P. omnibus partibus multo majus. majus.
Common in woods and fields. ☉. June—Aug. *v. v.*
P. *barbulatum Mich.* I consider a variety of this species.

12. P. paniculis simplicissimis paucifloris, glumis obovatis, foliis lineari-lanceolatis divaricatis glabris basi et collo barbatis, caule dichotomo. *dichotomum.*
P. dichotomum. *Willd. sp. pl.* 1. *p.* 346.
In dry woods, frequent. ♃. July, Aug. *v. v.*

13. P. panicula capillari ramosissima laxa, floribus minutis *capillare.*

omnibus pedicellatis solitariis oblongo-ovatis ... tis muticis, foliis vaginisque hirsutissimis. *amer.* 1. *p.* 47. *Willd. sp. pl.* 1. *p.* 349.
In sandy fields: New Jersey to Florida. ☉
Aug. *v. v.* This grass is remarkably variati ... I have seen specimens from three inches to ... high.

diffusum. 14. P. panicula simpliciuscula capillari patente, flosculis remotiusculis acutis, culmo simplici, foliis longis linearibus collo vaginisque villosis. *Swartz. prodr.* 23.
P. cæspititium. *Lam. encycl.* 4. *p.* 743.
In dry sandy woods: Virginia, Carolina, &c. ☉. July. *v. v.*

scoparium. 15. P. panicula erecta, composita setaceo-ramosissima, glumis obovatis pubescentibus, foliis lanceolatis villosis. *Mich. fl. amer.* 1. *p.* 49.
In dry swamps of Carolina. *Michaux.* ☉. +.

nodiflorum. 16. P. paniculis minimis lateralibus terminalibusque, glumis ovatis pubescentibus, foliis angustis brevibusculis collo barbatis. *Lam. encycl.* 4. *p.* 744.
P. ramulosum. *Mich. fl. amer.* 1. *p.* 30.
In dry fields: Pensylvania to Carolina. ☉. July. *v. v.*

proliferum. 17. P. glaberrimum, paniculis oblongis erectis lateralibus terminalibusque, glumis oblongis acutis striatis, caule ramoso-dichotomo. *Lam. encycl.* 4. *p.* 747.
P. dichotomiflorum. *Mich. fl. amer.* 1. *p.* 48.
In rich soil, in woods, on edges of ditches: Pensylvania to Carolina. ♃. July, Aug. *v. v.*

pubescens. 18. P. erectum ramosissimum pubescens, paniculis parvis pauciforis laxis sessilibus, glumis globoso-ovatis subpedicellatis pubescentibus. *Lam. encycl.* 4. *p.* 748. *Mich. fl. amer.* 4. *p.* 49.
In shady rich woods: Virginia to Carolina. ☉. July. *v. v.*

laxiflorum. 19. P. panicula patente laxa pilosa, glumis raris obtusis pubescentibus. *Lam. encycl.* 4. *p.* 748.
In North America. *Lamarck.* ☉. +.

latifolium. 20. P. panicula patenti mediocri, glumis ovatis acutiusculis subpubescentibus, foliis ovato-lanceolatis amplexicaulibus glabris, vaginis pilosis.
P. latifolium. *Willd. sp. pl.* 1. *p.* 350.

clandestinum. β. P. paniculis inclusis pauciforis. *Willd. sp. pl.* 1. *p.* 351.
In shady woods: New England to Georgia. ♃. July. *v. v.*

21. P. erectum, paniculæ ramis simplicibus interrupte racemulosis, flore accessorio neutro: hermaphrodito valvis primariis semibreviore obtusissimo, foliis longis, vaginis compressis pilosis. *Mich. fl. amer.* 1. *p.* 48. *anceps.*
In shady wet woods: Carolina. *Michaux.* +.

22 P. debile, glaberrimum, panicula gracili longa: ramulis raris adpressis, glumæ membranaceæ valvis subæqualibus lanceolatis, foliis angustis longis. *Mich. fl. amer.* 1. *p.* 50. *melicarium.*
P. nudum. *Walt. fl. car.* 73?
In Carolina and Georgia. ♃. July, Aug. *v. v.*

23. P. glabrum, erectum; panicula pyramidata, ramis paucis dissitis, plerisque geminis simplicissculis divaricatis reflexisque, floribus muticis binis: altero pedicellato neutro, foliis angusto-longis. *Mich. fl. amer.* 1. *p.* 50. *divaricatum.*
In high mountains of Carolina. *Michaux.* +.

24. P. glabrum, elatum; paniculis pyramidatis lateralibus geminis elongato-pedunculatis terminalibusque: ramulis alternis divaricatis, glumis alternis oblongis acutis pedicellatis coloratis, foliis longis; collo subbarbato, caule compresso. *elongatum.*
In ditches and near ponds: New Jersey to Virginia. ♃. July. *v. v.* A very handsome grass, sometimes five feet high; panicle a dark purple mixed with green.

25. P. panicula solitaria folio terminali breviora: ramis simplicibus flexuosis, glumis alternis pedunculatis obovatis turgidis: valvulis multistriatis acutis, foliis linearibus strictis sensim acutissimis, supra striatis scabris subtus pilosis, vaginis longissime pilosis. *strictum.*
On the banks of Delaware: Pennsylvania. ⊙. July. *v. v.*

79. DIGITARIA. *Hall.* Crop-grass.

1. D. spicis pluribus, floribus imbricatis geminis, vaginis foliisque papilloso-pilosis, culmo repente. *Mich. fl. amer.* 1. *p.* 45. *Sanguinale.*
Panicum sanguinale. *Willd. sp. pl.* 1. *p.* 342.
Paspalum sanguinale. *Lam. encycl.* 5. *p.* 33.
Syntherisma præcox. *Walt. fl. car.* 76.
Icon. *Host. gram.* 2. *t.* 17. *Curt. lond.* 4. *t.* 7.
Common in cultivated ground. ⊙. June—Aug. *v. v.*

2. D. spicis pluribus (2—5): erectis filiformibus, floribus *pilosa.*

remotis hirsutis geminis: altero vix pedicellato, brevibus, vaginis pilosis, culmo erecto glabro nudo. *Mich. fl. amer.* 1. *p.* 45.
Syntherisma villosa. *Walt. fl car.* 77.
Panicum filiforme *Willd. sp pl.* 1. *p.* 343.
Paspalum debile. *Lam. encycl.* 5. *p.* 34.
In sandy dry fields and on hills: New Jersey to Virginia. ⊙. May—Aug. *v. v.*

paspaloides. 3. D. spicis geminis basi subvillosis, rachi latiuscula glabra, floribus solitariis bifariam imbricatis glabris, foliis patentibus, vaginis glabris collo villosis, culmo repente. *Mich. fl. amer.* 1. *p.* 46.
Paspalum supinum. *Bosc. in Lam. encycl.* 5. *p.* 29.
On hills of red clay and iron ore: Virginia. ⊙. July. *v. v.*

serotina. 4. D. spicis pluribus setaceis, floribus binis vel ternis minutis pediceliatis, foliis vaginisque villosis, culmo decumbente. *Mich. fl. amer.* 1. *p.* 46.
Syntherisma serotina. *Walt. fl. car.* 76.
In low wet places: Carolina. ⊙. June—Aug. *v. v.*

80. CYNODON. *Richard in Pers. ench.* 1. *p.* 85.

Dactylon. 1. C. spicis digitatis patentibus, basi interiori villosis, floribus solitariis, sarmentis repentibus. *Pers. l. c.*
Panicum Dactylon. *Willd. sp. pl.* 1. *p* 342.
Digitaria Dactylon. *Allion fl. ped.* 11. 238.
Paspalum Dactylon *Lam. encycl.* 5. *p.* 32.
Paspalum præcox. *Walt. fl. car.* 75.
On road sides and in cultivated ground, frequent. ♃. *v. v.; v. s. in Herb. Walter.*

81. PASPALUM. *Gen. pl.* 81.

setaceum. 1. P. spica unica gracili, glumis geminis suborbiculato-obovatis glabris, foliis villosis, culmo setaceo erecto. *Mich. fl. amer.* 1. *p.* 43.
P. dissectum. *Walt. fl car.* 75.
In dry sandy fields in Lower Carolina. ⊙. June, July. *v. s.*

debile. 2. P. spica plerumque unica tenui, glumis uniseriatis, contigue-alternis solitariis pubescentibus, brevi-obovatis, foliis hirsutis, culmo debili setaceo. *Mich fl. amer.* 1. *p.* 43.
On the sea-shores of Carolina and Georgia. *Michaux.* +.

3. P. spicis alternis subbinis, glumis subtriseriatis geminis orbiculato-obovatis obtusis glabris, foliis lanceolato-linearibus serrulato-ciliatis, culmo decumbente. *Mich. fl amer.* 1. *p.* 44. *ciliatum.*
In clay soil where iron ore abounds: Virginia and Carolina. ♃. July. *v. v.*

4. P. spicis pluribus alternis, glumis biseriatis suborbiculato-ovatis glabris lævibus, foliis glabris, ligula ciliata, vaginis compressis, caule suberecto. *Mich. fl. amer.* 1. *p.* 44. *lævе.*
P. lentiferum. *Lam. encycl.* 5. *p.* 30.
P. membranaceum. *Walt. fl. car.* 75.
In dry meadows and grassy hills: Pensylvania to Carolina. ♃. June—Aug. *v. v.*

5. P. spicis paucis erectis, glumis biseriatis suborbiculatis glabris lævibus, foliis inferioribus pilosis, superioribus glabris, vaginis longissimis, caule erecto. *Mich. fl. amer.* 1. *p.* 44. *floridanum.*
P. virgatum. *Walt. fl. car.* 75?
In sandy fields: Carolina to Georgia. ☉. June. *v. s.*

6. P. glaberrimum; spicis pluribus alternis erectis, glumis subtriseriatis brevibus ovatis rufescentibus glabris, valvula plana juxta margines transverse plicata, foliis longis, caule erecto. *Mich fl amer.* 1. *p.* 45. *plicatum.*
P. paniculatum. *Walt. fl. car.* 75?
In Georgia and Florida. *Michaux.* +.

7. P. spiculis elongato-racemosis subverticillatis pendulis, glumis alternis ovatis serrulato-ciliatis transverse-rugosis, foliis brevibus basi subcordatis, caule basi prostrato. *stoloniferum.*
P. stoloniferum. *Bosc in linn. trans.* 2. *p.* 83.
P. racemosum. *Jacq. ic. rar. t.* 302.
Milium latifolium. *Lav ic.* 3. *p.* 37. *t.* 273.
Icon. *Bosc. l. c. Jacq. l. c.*
In cedar swamps of New Jersey, ♃. July, Aug. *v v.*
I found this plant among a parcel of grasses and other plants collected in autumn 1811, in Monmouth county, New Jersey. As I had no time to examine the collection then, I was much surprised on finding this very interesting grass among them. That it is the same with P. *stoloniferum* of Peru, I have no doubt, as I carefully compared it with the specimens in the collection of A. B. Lambert, Esq.

82. ARISTIDA. *Gen. pl.* 129.

dichotoma. 1. A. cespitosa, culmis dichotomis, floribus sessilibus subuniaristatis: aristâ contortâ gluma brevioribus brevissimis. *Mich. fl. amer.* 1. *p.* 42.
On dry gravelly soil: New England to Carolina, common. ♂. May—July. *h. v.* Resembles *Nardus*.

stricta. 2. A. culmis foliisque stricte erectis, racemo longo spicato coarctato: aristis gluma longioribus, foliis convoluto-filiformibus, glabris. *Mich. fl. amer.* 1. *p.* 41.
In shady rocky situations, on river sides: Virginia, Carolina, &c. ♃. June, July. *v. v.*

oligantha. 3. A. culmo stricto subramoso, foliis convoluto-filiformibus, floribus distantibus solitariis, aristis longis divaricatis. *Mich. fl. amer.* 1. *p.* 41.
A. adscensionis. *Walt. fl. car.* 74.
On the banks of rivers, in rocky places: Illinois, Virginia, &c. ♃. June, July. *v. v.*

83. STIPA. *Gen. pl.*

juncea. 1. S. foliis convoluto-filiformibus, panicula laxa, calycibus subaristatis semine longioribus, aristis longis vix pubescentibus.
S. juncea. *Willd. sp. pl.* 1. *p.* 440.
Icon. *Desf. atl.* 1. *t.* 28.
On the banks of the Missouri. *M. Lewis.* ♃. Aug. *v. s. in Herb. Lewis.* By a careful comparison of this plant and one from the north-west coast of America, collected by Mr. Menzies, in possession of A. B. Lambert, Esq. and a specimen from the south of Europe in the same collection, I could find no other distinction from S. *juncea* than the seeds being more pubescent, and the arista not so much as figured in Desfontaines' Flora.

canadensis. 2. S. foliis setaceis, panicula parva, calycibus glabris obtuse-ovatis semine pubente æquantibus, aristis crassis brevibus. *Lam. encycl.* 7. *p.* 452.
A. juncea. *Mich. fl. amer.* 1. *p.* 54.
In rocky places: Canada, Hudson's Bay, &c. +.

avenacea. 3. S. foliis striatis glabris, panicula patente subunilaterali: ramis verticillatis ramulosis, calycibus acutis membranaceis semine glabro æquantibus, aristis nudis, tortuosis.—*Willd. sp. pl.* 1. *p.* 442.

In barren dry woods: Virginia, Carolina, &c. ♃. June. *v. v.*

4. S. foliis convoluto-filiformibus, panicula pauciflora: ramis simplicibus 1–2-floris, calycibus oblongis acuminatis semine vix longioribus, corollis stipitatis: stipite barbato.—*Vahl. symb. 2. p. 24.* *hicolor.*
S. barbata. *Mich. fl. amer. 1. p. 53.*
S. avenacea. *Walt. fl. car. 77.*
S. virginica. *Pers. ench. 1. p. 99.*
Icon. *Cav. ic. 5. t. 466. f. 2?* *Winter-green.*
In shady woods: Virginia to Georgia. ♃. July, Aug. *v. v.*

5. S. foliis tereti-filiformibus longissimis, panicula effusa tenuissime capillacea, calyce corolla parva triplo breviore, aristis nudis strictis. *Mich. fl. amer. 1. p. 54.* *sericea.*
S. capillaris. *Lam. encycl. 7. p. 450.*
S. diffusa. *Walt. fl. car. 78.*
In sandy fields: New Jersey to Carolina. ♃. June—Aug. *v. v.* This elegant grass, whose silky purple panicles exceed in beauty any other I know, seems to deviate from the rest of this genus, particularly in the short glumes of the calyx, and almost deserves to be a separate genus.

6. S. foliis striatis glabris glaucescentibus, spicis alternis paniculatis expansis, floribus sessilibus remotis, calycibus corolla longioribus, arista brevissima nuda.—*Lam encycl. 7. p. 453.* *expansa.*
In Carolina. *Bosc.* +.

7. S. foliis arundinaceis, panicula elongata aristata, pedunculis articulatis strictissimis, aristis nudis subflexuosis. *Lam. encycl. 7. p. 453.* *stricta.*
In Carolina. *Fraser.* +.

84. SACCHARUM. *Gen. pl. 104.*

1. S. vaginis lanatis, gluma villis breviore, valvis exterioribus villosis. *Pers. ench. 1. p. 103.* *giganteum.*
Erianthus saccharoides. *Mich. fl. amer. 1. p. 55.*
Anthoxanthum giganteum. *Walt. fl. car. 65.*
Andropogon culmo paniculato. *Gron. fl. virg. 133.*
In low places generally among rocks: Virginia to Florida, rare. ♃. July, Aug. *v. v.* From five to nine feet high, with very large panicles, which when in flower are extremely handsome.

brevibarbis. 2. S. vaginis collo subvillosis, panicula stricta, gluma villis longiore, valvis acutissimis nudis. *Pers. ench.* 1. *p.* 103.
Erianthus brevibarbis. *Mich. fl. amer.* 1. *p.* 55.
On dry hills, in mountains: Virginia, Tennassee, Carolina, &c. ♃. July. *v. v.* Not above two feet high.

85. ANDROPOGON. *Gen. pl.* 1566.

* *Panicula terminali.*

nutans. 1. A. panicula ramosa contracta nutante, floribus geminatis aristatis, calycibus hirsutis, hermaphrodito sessili, masculo pedicellato caduco. *Willd. sp. pl.* 4. *p.* 906.
In barren dry situations: New England to Florida. ♃. June, July. *v. v.*

avenaceus. 2. A. foliis asperis vaginisque glabris, panicula nuda subpyramidatim oblonga multiflora, floribus rufescentibus triandris, glumæ valva altera villosa, arista valde contorta. *Mich. fl. amer.* 1. *p.* 58.
In the prairies of Illinois. *Michaux.* +.

ambiguus. 3. A. foliis amplexicaulibus subcordato-lanceolatis, panicula ramis proprie setaceis simplicibus erectis, glumis solitarie alternis unifloris, flore imberbi longissime aristato triandro, flosculi accessorii incremento aristiformi. *Mich. fl. amer.* 1. *p.* 58.
In sandy woods: Carolina. *Michaux.* +.

alopecuroides. 4. A. panicula simplici oblonga elongata, spicis verticillatis simplicibus, floribus aristatis geminatis, altero sessili, altero pedicellato, rachi lanata, lana floribus longiore. *Willd. sp. pl.* 4 *p.* 911.
Icon. *Sloan. hist.* 1. *t.* 70. *f.* 1.
In North America. *Linn. sp. pl.* 1045.? +.
This species is very doubtful as a North American plant; the synonym of Gronovius evidently belongs to *Saccharum giganteum*. Neither Michaux nor any other botanist (as far as I could learn) collected it in North America.

Scoparium. 5. A. spicis simplicibus pedunculatis geminatis stricte paniculatis, floribus geminis, hermaphrodito sessili lanceolato aristato, neutro pedicellato aristato, rachi ciliata.—*Mich. fl. amer.* 1. *p.* 57.
A. purpurascens. *Willd. sp. pl.* 4. *p.* 913.
A. divaricatum. *Willd. sp. pl.* 4. *p.* 905?

Common in old fields and dry meadows; called *Broom-grass*. ♃. June—Aug *v. v.* A very obnoxious weed.

** *Spicis conjugatis s. fasciculatis.*

6. A. vaginis margine villosis, paniculis lateralibus fasciculatim polystachyis, floribus monandris, arista 4–5-tuplo glumæ longitudine, valvis anterioribus glabris. *Mich. fl. amer.* 1. *p.* 56. *macrourus.*
Cinna glomerata. *Walt. fl. car.* 59.
In low meadows and woods: Carolina and Florida. ♃. +.

7. A. vaginis glabris, culmis erectis, spicis lateralibus dissitis, floribus monandris, arista longa recta, valvis interioribus glabris. *Mich. fl. amer.* 1. *p.* 57. *dissitiflorus.*
Cinna lateralis. *Walt. fl. car.* 59.
In dry woods and old fields, frequently found on high mountains: Pensylvania to Florida. ♃. July. *v. v.*

8. A. ramis remote alternis solitariis simplicibus plerisque tristachyis, spicis distanter alternis bifidis, villis involucri gluma brevioribus, floribus triandris, valvis interioribus subvillosis, intima ex incisura aristam longam contortam emittente. *Mich. fl. amer.* 1. *p.* 57. *ternarius.*
In the mountains of Virginia and North Carolina. ♃. July. *v. v.*

9. A. paniculæ spicis conjugatis, pedunculis simplicibus, rachi lanata, flosculis muticis: mascula tabescente. *Willd. sp. pl.* 4. *p.* 916. *virginicus.*
In Virginia. *Gronov.* ♃. +.

10. A. spicis conjugatis paniculatis, panicula bracteata fastigiato-corymbosa, floribus ternis muticis, intermedio hermaphrodito sessili, lateralibus, neutris pedicellatis, rachi longissime ciliata. *Willd. sp. pl.* 4. *p.* 916. *bicornis.*
In Virginia? *Gronov.* ♃. +.

11. A spicis digitatis subquaternis, floribus geminatis, hermaphrodito sessili aristato, masculo mutico pedicellato, rachi pilosa. *Willd. sp. pl.* 4. *p.* 919. *furcatus.*
In rocky situations: Canada to Virginia, rare. ♃. June, July. *v. v.*

86. ATHEROPOGON. *Muhlb. in Willd. sp. pl.* 4. *p.* 937.

1. Atheropogon. *Willd. l. c.* *apludoides.*
In North America. *Muhlb.* +. About a foot high; leaves narrow; flowers alternate in a spike.

87. TRISETUM. *Pers. ench.* 1. *p.* 97.

pratense. 1. T. panicula subcontracta, spicis nitidis, vaginis longis striatis glabris, foliis superne villosis. *Pers. l. c.*
Avena flavescens. *Willd. sp. pl.* 1. *p.* 449.
Icon. *Schreb. gram. t.* 9. *Host. gram.* 3, *t.* 38.
In meadows: Pensylvania and Virginia, rare. ♃. July. *v. v.*

89. AIRA. *Gen. pl.* 112.

pumila. 1. A. panicula parva fastigiata (pauciflora): pedicellis brevibus, floribus muticis obtusis calyce duplo longioribus: valvulis margine membranaceis, foliis planis glabris, culmo erecto vix foliis altiore.
On barren clay soil, near brick-yards: Pensylvania. ♃. June. *v. v.* Scarce an inch high; in close tufts.

aquatica. 2. A. panicula patente semiverticillata, floribus muticis obtusis lævibus calyce longioribus, foliis planis, culmo repente.—*Willd. sp. pl.* 1. *p.* 376.
Icon. *Host. gram.* 2. *t.* 41. *Engl. bot. 1557.*
On water sides and sometimes floating in water, frequent. ♃. May—July. *v. v.*

meliceides. 3. A. panicula parva subracematim coarctata: gluma communi partialibusque majusculis lineari-lanceolatis muticis: floribus basi villosis, rudimento flosculi tertii, foliis planis glabris, culmo erecto. *Mich. fl. amer.* 1. *p.* 62.
In shady woods: Canada to Pensylvania. ♃. July. *v. v.*

obtusata. 4. A. panicula in racemum oblongum confertiflorum coarctata, floribus muticis apice compressis, glumæ valva altera angusto-lineari acuta: altera lato-obovali rotundato-obtusissima, foliis planis, culmo gracili erecto. *Mich. fl. amer.* 1. *p.* 62.
In dry fields: New England to Florida. ♃. June, July. *v. v.*

brevifolia. 5. A. panicula semiverticillata patente: ramis simplicissimis alternifloris, floribus muticis calycem æquantibus, glumis omnibus lanceolatis acutis, foliis planis, culmo stricto glabro nudiusculo.
In the plains of Missouri. *M. Lewis.* ♃. June, July. *v. s. in Herb. Lewis.* This grass is the most common in those plains.

capillacea. 6. A. panicula capillacea effusa, flosculis muticis calyce

longioribus: altera pedicellato, glumis acutis carina asperis, foliis angustis glabris brevibus, culmo erecto.
A. capillacea. *Lam. illustr.* 1. *p.* 177.
On slate hills and in sandy fields: Virginia to Carolina. ♃. July. *v. v.* About eight inches high; panicle purple.

7. A. foliis setaceis, vaginis angulatis, floribus paniculato-spicatis, flosculis basi aristatis. *Willd. sp. pl.* 1. *p.* 380. *præcox.*
Icon. *Fl. dan.* 383.
On dry sandy hills: Virginia, &c. ☉. June. *v. v.*

8. A. panicula patente, petalis aristatis basi villosis: arista recta brevi. *Willd. sp. pl.* 1. *p.* 378. *cespitosa.*
Icon. *Host. gram.* 2. *t.* 42. *Engl. bot.* 1153.
In meadows, frequent. ♃. June, July. *v. v.*

β. A. foliis subsetaceis. *Mich. fl. amer.* 1. *p.* 61. ambigua.
In Canada. +. Appears to be only a variety of A. *cespitosa.*

9. A. panicula patente trichotoma: pedunculis flexuosis; aristis geniculatis, foliis setaceis, culmo subnudo.—*Willd. sp. pl.* 1. *p.* 378. *flexuosa.*
Icon. *Host. gram.* 2. *t.* 43. *Engl. bot.* 1519. *Fl. dan.* 157.
In shady woods and meadows: Canada to Carolina. ♃. July. *v. v.*

10. A. panicula sparsa purpurea, floribus aristatis, glumis altera bifida nervo aristata: altera integra mutica concava, foliis subulatis, culmo erecto.—*Walt. fl. car.* 78. *purpurea.*
In Carolina. *Walter.* +.

90. MELICA. *Gen. pl.* 113.

1. M. panicula laxa pauciflora: ramulis simplicibus, floribus obtusis imberbibus, caule erecto glabro.—*Mich. fl. amer.* 1. *p.* 62. *glabra.*
M. mutica. *Walt. fl. car.* 78.
Icon. *Moris. hist.* 3. *s.* 8. *t.* 7. *f.* 51.
In shady places: Virginia to Florida. ♃. July. *v. s.*

2. M. panicula diffusa ramosissima, floribus acutis imberbibus, caule erecto pubescente. *diffusa.*
M. altissima. *Walt. fl. car.* 78.
In sandy swamps: Virginia and Carolina. ♃. June. *v. s.*

91. HOLCUS. *Gen. pl.* 1565.

striatus. 1. H. panicula conferta oblonga: pedunculis brevissimis confertis ramosis, glumis bifloris striatis muticis acuminatis, foliis planis longis.—*Willd. sp. pl.* 4. *p.* 935.
In swamps of Virginia. *Cluyt.* +. This species appears to belong to *Aira*.

fragrans. 2. H. panicula patula, glumis trifloris muticis, flosculis confertis, hermaphrodito intermedio diandro glabro, masculis triandris, valvula exteriore levissime ciliata, dorso lævibus. *Willd. sp. pl.* 4. *p.* 936.
H. odoratus. *Mich. fl. amer.* 1. *p.* 56.
In low meadows on the borders of lakes: Canada to Virginia. ♃. July. *v. v.* A very fine grass.

lanatus. 3. H. glumis bifloris, hermaphrodito mutico, masculi arista flore multo breviore recurva. *Willd. sp. pl.* 4. *p.* 933.
Icon. *Host. gram.* 1. *t.* 2. *Schreb. gram. t.* 20. *f.* 1.
In low meadows, frequent. ♃. June, July. *v. v.*

92. SORGHUM. *Pers. ench.* 1. *p.* 101. Broom-grass.

saccharatum. 1. S. panicula subverticillata patentissima, seminibus ellipticis glumis villosis persistentibus tectis. *Pers. ench.* 1. *p.* 101.
Icon. *Mich. in act. helv.* 8. *t.* 4. *f.* 1.
Cultivated for the purpose of making brooms, and frequently found in an apparently wild state. ⊙. July. *v. v.*

93. POA. *Gen. pl.* 114. Meadow-grass.

trivialis. 1. P. panicula diffusa, spiculis trifloris, glumis lanceolatis quinquenervibus basi villo connexis, ligula elongata. *Smith fl. brit.* 1. *p.* 103. *Willd. sp. pl.* 1. *p.* 387.
Icon. *Host. gram.* 2. *t.* 62 *Engl. bot. t.* 1072.
Common in meadows and fields. ♃. June—Aug. *v. v.*

pratensis. 2. P. panicula diffusa, spiculis quadrifloris, glumis lanceolatis quinquenervibus villo connexis, ligula abbreviata obtusa. *Smith fl. brit.* 1. *p.* 104. *Willd. sp. pl.* 1. *p.* 388.
Icon. *Host. gram.* 2. *t.* 61. *Engl. bot. t.* 1073.
In grassy fields, not so frequent. ♃. May, June. *v. v.*

3. P. panicula diffusa, spiculis ovatis subquadrifloris, glumis lanceolatis trinervibus, ligula brevi truncata. *Schreb. gram.* *viridis.*
In all meadows and grass plots, common. ♃. June—Aug. *v. v.*

4. P. panicula foliisque attenuatis, spiculis lanceolatis subtrifloris, glumis acutis obsolete quinquenervibus, ligula brevissima crenata. *Smith fl. brit.* 1. *p.* 106. *nemoralis.*
Icon. *Host. gram.* 2. *t.* 71. *Engl. bot.* 1265.
In grassy shady places, rare. ♃. June, July. *v. v.*

5. P. panicula divaricata, spiculis ovatis, flosculis remotiusculis quinquenervibus liberis, culmi obliquo compresso. *Smith fl. brit.* 1. *p.* 105. *Willd. sp. pl.* 1. *p.* 390. *annua.*
Icon. *Host. gram.* 2. *t.* 64. *Leers fl. herb. t.* 6. *f.* 1.
In fields and grass plots, frequent. ☉. April—Sept. *v. v.*

6. P. panicula diffusa, spiculis quadrifloris cordatis, glumis ovatis subfalcatis liberis, ligulis inferioribus brevissimis. *Smith fl. brit.* 1. *p.* 100. *Willd. sp. pl.* 1. *p.* 386. *alpina.*
Icon. *Engl. bot.* 1003. *Scheuchz. gram. t.* 3.
On the Allegany mountains, frequent. ♃. July. *v. v.*

7. P. panicula diffusa, spiculis ovato-oblongis nitidis. *Willd. sp. pl.* 1. *p.* 390. *flava.*
In Pensylvania and Virginia. ♃. *v. s. in Herb. Walter.*

8. P. panicula secunda coarctata, culmo adscendente compresso, flosculis angulosis basi villo complicato connexis. *Smith fl. brit.* 1. *p.* 99. *Willd. sp. pl.* 1. *p.* 397. *compressa.*
Icon. *Host. gram.* 2. *t.* 70. *Engl. bot.* 305. *Blue-grass.*
In dry fields and meadows, common. ♃. June—Aug. *v. v.*

9. P. panicula æquali diffusa, spiculis ovatis quinquefloris, floribus liberis septemnervibus obtusis, culmo sulcato subangulato, radice subrepente. *Willd. enum.* 105. *Willd. sp. pl.* 1. *p.* 389. *nervata.*
P. striata. *Mich. fl. amer.* 1. *p.* 69.
P. lineata. *Pers. ench.* 1. *p.* 89.
In meadows and fields, common. ♃. June—Aug. *v. v.*

10. P. panicula laxa patentissima capillari, spiculis tri-quinquefloris, floribus ovatis acutis pubescentibus, foliis collo pilosis, culmo ramosissimo.—*Willd. sp. pl.* 1. *p.* 394. *capillaris.*
Icon. *Moris. hist.* 3. *s.* 8 *t.* 6. *f.* 33.
In fields and sandy woods: Canada to Florida, common. ☉. June—Aug. *v. v.* Very variable.

tenella. 11. P. panicula subverticillata capillari, pedunculis flexuosis, spiculis linearibus subsexfloris pedicellatis, floribus oblongis acutis minutis glabris, foliis brevibus planis apice subulatis glabris, vaginis collo barbatis culmo decumbente.
P. tenella. *Willd. sp. pl.* 1. *p.* 395?
In sandy fields: New Jersey to Carolina. ⊙. July. *v. v.*; *v. s. in Herb. Lambert. sub nomine* P. *pilosæ.*

crocata. 12. P. panicula laxa patula, spiculis ovatis quadri-quinquefloris pedicellatis, floribus oblongis subpubescentibus, foliis glabris, vaginis collo nudo, culmo erecto glabro. *Mich. fl. amer.* 1. *p.* 68.
In Canada, Hudson's Bay, and Lake Mistassins. *Michaux.* +.

hirsuta. 13. P. panicula ramosissima capillari, spiculis sparsis longe pedicellatis subquinquefloris, floribus oblongis acutis glabris, foliis culmo longioribus glabris, vaginis hirsutissimis, culmo erecto crasso. *Mich. fl. amer.* 1. *p.* 68.
In sandy fields: New Jersey to Carolina, frequent. ⊙. July. *v. v.*

aquatica. 14. P. panicula erecta semiverticillata: ramulis flexuosis, spiculis ovatis quinquefloris crassis, floribus obtusis glabris septemnervibus, culmo erecto glabro tereti.
P. aquatica. *Willd. sp. pl.* 1. *p.* 385?
In ditches, frequently in salt-marshes: Canada to Virginia. ♃. June—Aug. *v. v.* It approaches P. *aquatica* very nearly, but seems to differ in *habitus* and other characters considerably.

parviflora. 15. P. panicula diffusa capillari semiverticillata ramosissima spiculis parvis subquadrifloris, floribus oblongis subacutis exquisite striatis, foliis distichis culmum superantibus glabris, ligulis lanceolatis acuminatis, culmo exerto vaginato.
P. striata. *Lam. encycl.* 5. *p.* 84?
In close copses and shady places: New York to Virginia. ♃. July. *v. v.* About a foot high; very slender.

subverticillata. 16. P. panicula laxa basi subverticillata, pedicellis elongatis, spiculis rariis subquinquefloris, calycibus crassiusculis subangulatis obtusis. *Pers. ench.* 1. *p.* 94.
P. laxa. *Lam. illustr.* 1. *p.* 183.
In Virginia. *Lamarck.* +.

Eragrostis. 17. P. panicula patente pyramidata, ramulis divaricatis, spiculis linearibus decemfloris, floribus ovatis acutis tri-

nervibus glabris, foliis brevibus.—*Willd. sp. pl.* 1. *p.* 392.
Icon. *Host. gram.* 2. *t.* 69?
In low sandy grass fields: Virginia, Carolina, &c. ♃. June, July. *v. v.* The spikes are of a greenish colour and long.

18. P. panicula erecta: ramis inferioribus inferne nudis, spiculis oblongis alternis subsessilibus sexfloris, flosculorum valva exteriore dorso inferne marginibusque villosa apice quinquefida, vaginarum collo axillisque paniculæ pilosis, foliis culmoque erecto glabris. *quinquefida.*
P. seslerioides. *Mich. fl. amer.* 1. *p.* 68.
In mountain meadows, frequent; New England to Carolina. Commonly called *Red-top.* ♃. July, Aug. *v. v.* A most excellent grass. I have seen mountain meadows in Pensylvania, where they mow this grass twice a year, producing most excellent crops each time, without manure, or any other trouble than the mowing, lasting for the space of sixteen years, without the least decline in the crops, the soil at the same time being a very indifferent one.

19. P. panicula laxa patula erecta, spiculis linearibus duodecimfloris: rachi deflorata valvulis flosculorum interioribus persistentibus pectinata, floribus ovatis acuminatis trinervibus, vaginarum collo axillisque paniculæ pilosis, foliis culmoque erecto glabris.—*Mich. fl. amer.* 1. *p.* 69. *pectinacea.*
In sandy fields: New Jersey to Carolina, and the western territories, frequent. ⊙. July. *v. v.*

20. P. panicula divaricata ramosissima, spiculis pendulis linearibus decemfloris, floribus ovatis acutis margine dorsoque scabris, vaginarum collo axillisque paniculæ pilosis, foliis culmoque erecto brevi glabris. *spectabilis.*
Poa amabilis. *Walt. fl. car.* 80.
In dry barren sand-fields: New York to Carolina. ⊙. July. *v. v.* A beautiful grass: the large panicle is purple mixed with green stripes.

21. P. paniculis fasciculatis, spiculis subsessilibus longissimis multifloris, floribus oblongis acutis laxis, foliis brevibus pubescentibus, culmo ramoso repente.—*Mich. fl. amer.* 1. *p.* 69. *reptans.*
P. hypnoides. *Lam. encycl.* 5. *p.* 87.
Icon. *Mich. l. c. t.* 11.
In mossy swamps and shady places: Pensylvania, Vir-

ginia, and on the banks of the Mississippi. ⊙. July. *v. v.* This is the most delicate grass in North America.

94. BRIZA. *Gen. pl.* 115.

Eragrostis. 1. B. spiculis ovali-lanceolatis vigintifloris, floribus subacutis, collo vaginarum piloso, culmo geniculato decumbente. *Mich. fl. amer.* 1. *p.* 72. *Willd. sp. pl.* 1. *p.* 405.
B. caroliniana. *Walt. fl. car.* 79.
Icon. *Schreb. gram.* 2. *t.* 39.
In wet fields and swamps: Virginia to Carolina. ⊙. June. *v. v.*

canadensis. 2. B. panicula laxa, spiculis erectis 4—10-floris, gluma communi parvula, florum valva exteriore acuta ovata, foliis longis, culmo erecto. *Mich. fl. amer.* 1. *p.* 71.
In Canada. *Michaux.* +.

virens. 3. B. spiculis ovatis, calyce flosculis (7) æquali, pedunculis longis. *Walt. fl. car.* 79.
In Carolina. *Walter.* +.

95. UNIOLA. *Gen. pl.* 116.

latifolia. 1. U. panicula laxa, spiculis omnibus longe pedicellatis, calyce trivalvi, floribus monandris subfalcatis carina pilosis, foliis latis planis. *Mich. fl. amer.* 1. *p.* 70.
On the Allegany mountains, in shady woods, among rocks. ♃. June. *v. v.* A very handsome grass.

paniculata. 2. U. panicula longa, spiculis subsessilibus, calyce multivalvi, floribus triandris carina glabris, foliis convolutis, culmo altissimo.—*Willd. sp. pl.* 1. *p.* 406.
U. maritima. *Mich. fl. amer.* 1. *p.* 71.
Icon. *Catesb. car.* 1. *t.* 32. *Pluk. alm. t.* 32. *f.* 6.
On sandy sea-shores: Virginia to Florida. ♃. June, July. *v. v.*

gracilis. 3. U. panicula longissima subspicata, ramis brevibus adpressis, spiculis subsessilibus, floribus monandris divaricatis acuminatis glabris, calyce trivalvi, foliis planiusculis, vaginis culmoque glabris compressis.—*Mich. fl. amer.* 1. *p.* 71.
U. virgata. *Bartram. in Herb. Banks.*
Holcus laxus. *Willd. sp. pl.* 4. *p.* 934.
In shady rocky situations: Virginia to Georgia. ♃. July. *v. v.*

96. FESTUCA. *Gen. pl.* 119.

1. F. spiculis alternis sessilibus erectis subquinquefloris, floribus subulatis glabriusculis, aristis longis scabris, foliis linearibus culmoque glabris. *spicata.*
On the waters of the Missouri and Columbia rivers. June. *v. s. in Herb. Lewis.*

2. F. panicula simplicissima secunda, spiculis subnovemfloris aristatis, foliis lineari-setaceis, ligula biaurita, culmo superne tetragono, basi ramosa. *Willd. enum.* 113. *Willd. sp. pl.* 1. *p.* 419. *tenella.*
F. bromoides. *Mich. fl. amer.* 1. *p.* 66.
F. octoflora. *Walt. fl. car.* 81.
Common in sandy fields. ⊙. May—July. *v. v.*

3. F. panicula coarctata simplici, spiculis subquadrifloris, floribus subulatis aristatis, culmo foliisque tenuissime setaceis.—*Mich. fl. amer.* 1. *p.* 66. *Myurus.*
F. quadriflora. *Walt. fl. car.* 81.
In dry fields: Virginia and Carolina. ⊙. June. *v. v.*
Appears to be different from F. *Myurus* of Linnæus.

4. F. panicula secunda diffusa, floseulis aristatis, culmo tereti, foliis caulinis planis, radice fibrosa. *Smith fl. brit.* 1. *p.* 115. *Willd. sp. pl.* 1. *p.* 421. *duriuscula.*
Icon. *Host. gram.* 2. *t.* 83. *Engl. bot.* 470.
In dry pastures, frequent. ♃. July. *v. v.*

5. F. panicula subdiffusa nutante ramosissima laxa, spiculis ovato-lanceolatis acutis, flosculis cylindricis obsolete nervosis. *Smith fl. amer.* 1. *p.* 124. *Willd. sp. pl.* 1. *p.* 425. *elatior.*
Icon. *Host. gram.* 2. *t.* 79. *Engl. bot.* 1593.
In wet meadows: Pensylvania, New England, &c. introduced with grass seeds from Europe. ♃. July. *v. v.*

6. F. panicula elongata, ramis approximatis strictis, spiculis oblongis 8—10-floris adpressis aristatis. *Willd. enum.* 117. *Mich. fl. amer.* 1. *p.* 66. *polystachya.*
In dry meadows: Virginia and Carolina mountains, Illinois, &c. ♃. July. *v. v.*

7. F. panicula stricte contracta, ramis simplicibus sparsis, spiculis tereti-lanceolatis subquinquefloris, floribus acuminatis diandris, foliis latis planis, caule erecto asperrimo. *Mich. fl. amer* 1. *p.* 67. *diandra.*
Icon. *Mich. fl. amer.* 1. *t.* 10.

In shady woods, in the western parts: Kentuky, Tennassee, &c. ♃. July. *v. v.*

grandiflora. 8. F. panicula simplici erecta, spiculis perpaucis subseptemfloris, flosculis acutis distantibus. *Lam. illustr.* 1. *p.* 191.
In Carolina. *Fraser.* +.

fluitans. 9. F. panicula longa laxa, ramis simplicibus, spiculis adpressis tereti-linearibus multifloris, flosculis muticis striatis, culmo decumbente foliisque glaberrimis.—*Willd. sp. pl.* 1. *p.* 426.
Icon. *Host. gram.* 2. *t.* 77. *Engl. bot.* 1520.
In ditches and slow-flowing waters, frequent. ♃. June —Aug. *v. v.*

distichiphylla. 10. F. panicula racemoso-coarctata, spiculis approximatis adpressis subsexfloris muticis, foliis convoluto-subulatis rigidis alternis distichis, culmo erecto glabro.—*Mich. fl. amer.* 1. *p.* 167.
F. triticea. *Lam. illustr.* 1. *p.* 190.
Uniola spicata. *Willd. sp. pl.* 1. *p.* 406.
Icon. *Pluk. alm. t.* 33. *f.* 4?
In salt-meadows, common along the coast from Canada to Florida. ♃. July, Aug. *v. v.*

poæoides. 11. F. panicula subconferta, ramis inferioribus simplicibus, spiculis alternis oblongis subsessilibus muticis, foliis planis glaberrimis.—*Mich. fl. amer.* 1. *p.* 67.
On the banks of the river St. Laurence. ♃. +.

12. F. panicula nutante patula, spiculis oblongo-lanceolatis compressis octofloris muticis, foliorum vaginis apice barbatis, radice fibrosa. *Willd. enum.* 115.
Icon. *Willd. hort. ber. t.* 3.
In rich bottom lands: Pensylvania to Carolina. ♃. July, Aug. *v. v.*

nutans. 13. F. paniculæ ramis secundis nutantibus scabris; spiculis ovatis compressis subsexfloris, spiculis acutis muticis, foliis linear-lanceolatis. *Willd. enum.* 116.
In shady woods: New England to Carolina. ♃. July. *v. v.*

97. DACTYLIS. *Gen. pl.* 117. Orchard-grass.

glomerata. 1. D. panicula secunda glomerata. *Willd. sp. pl.* 1. *p.* 408.
Icon. *Host. gram.* 2. *t.* 94. *Schreb. gram. t* 8 *f.* 2.
In meadows and woods: Pensylvania, &c. Probably originally brought from Europe. ♃. June. *v. v.*

98. BROMUS. *Gen. pl.* 120.

1. B. panicula nutante, spiculis ovatis compressis, glumis nudis distinctis, aristis subulatis brevioribus flexuoso-rectis. *Willd. sp. pl.* 1. *p.* 428. *secalinus.*
   Icon. *Host. gram.* 1. *t.* 12.
   In rye- and wheat-fields, frequent; introduced from Europe. ⊙. July. *v. v.*

2. B. panicula erecta coarctata, pedunculis ramosis, spiculis ovatis, flosculis imbricatis depressis nervosis pubescentibus. *Smith fl. brit.* 1. *p.* 126. *Willd. sp. pl.* 1. *p.* 429. *mollis.*
   Icon. *Host. gram.* 1. *t.* 19. *Engl. bot.* 1078.
   In dry fields and pastures; probably from Europe. ♂. June. *v. v.*

3. B. panicula nutante, spiculis lanceolatis teretibus, flosculis aristatis pilosis, aristis erectis, foliis utrinque glabris, vaginis pilosis. *Willd. enum.* 120. *Willd. sp. pl.* 1. *p.* 431. *purgans.*
   In old fields and on road-sides: Canada to New England. ♃. May—Aug. *v. v.*

4. B. panicula nutante, spiculis oblongis compressis 6—8-floris, flosculis aristatis margine ciliato-villosis, foliis utrinque vaginisque subpilosis, culmo ad nodos barbato.—*Willd. sp. pl.* 1. *p.* 433. *ciliatus.*
   B. canadensis. *Mich. fl. amer.* 1. *p.* 65?
   In barren and sandy soil: Canada to Carolina. ♃. July. *v. v.*

99. KOELERIA. *Pers. ench.* 1. *p.* 97.

1. K. spica laxiuscula, spiculis divergentibus 3–4-floris subaristatis rugulosis carina subciliatis. *Pers. l. c.* *cristata.*
   Aira cristata. *Sp. pl.* 2. *p.* 24.
   Poa cristata. *Willd. sp. pl.* 1. *p.* 402.
   Icon. *Moris. hist.* 3. *s.* 8. *t.* 4. *f.* 7.
   On the plains of Columbia river. *M. Lewis.* ♃. July. *v. s. in Herb. Lewis.*

100. AVENA. *Gen. pl.* 122. Oats.

1. A. panicula attenuata, calycibus bifloris, seminibus villosis, aristis calyce duplo longioribus. *Willd. sp. pl.* 1. *p.* 445. *pensylvanica.*
   In fields and open woods: New England to Carolina, frequent. ⊙. June. *v. v.*

palustris. 2. A. panicula conferta, calycibus bifloris, floribus glabris; altero mutico, altero tenuissime aristato, foliis planis linearibus. *Mich. fl. amer.* 1. *p.* 72.
A. caroliniana. *Walt. fl. car.* 81.
In low grassy fields and woods: Virginia to Florida. ♃. May—July. *v. v.*

striata. 3. A. panicula coarctata rariflora, calycibus quinquefloris, floribus calyce longioribus subimberbibus, valva exteriore striata, dorso longe aristata: semine nudo. *Mich. fl. amer.* 1. *p.* 73.
On the mountains near Hudson's Bay. *Michaux.* +.

mollis. 4. A. racemo confertiuscule adpresso-spicato, calycibus bifloris, floribus imberbibus aristatis: aristis longitudine florum strictis, foliis culmoque molliter pubescentibus. —*Mich. fl. amer.* 1. *p.* 72.
In Canada. *Michaux.* +.

spicata. 5. A. panicula subspicata pauciflora, calycibus spiculis sexfloris pubescentibus longioribus, valva exteriore ex apice bicorni aristata; arista basi spirali, foliis subsetaceis collo villosis. —*Willd. sp. pl.* 1. *p.* 453.
A. glumosa. *Mich. fl. amer.* 1. *p.* 72.
On dry hills, on the banks of rivers: New England to Carolina. ♃. June—Aug. *v. v.*

101. ARUNDO. *Gen. pl.* 124. Reed.

Phragmites. 1. A. calycibus quinquefloris, panicula laxa. *Willd. sp. pl.* 1. *p.* 454.
Icon. *Engl. bot.* 401. *Leers. herb. t.* 7. *f.* 1.
On the banks of rivers and in large salt-marshes: Canada to Virginia, common. ♃. July. *v. v.*

airoides. 2. A. panicula subcoarctata incurva, calycibus bifloris glabris inæqualibus, corollis membranaceis longitudine calycis, pilis corollam æquantibus, foliis planis scabris. —*Lam. encycl.* 6. *p.* 270.
In North America. *Michaux.* ♃. +.

agrostoides. 3. A. panicula laxa diffusa, calycibus unifloris acuminatis glabris, corollis calyce brevioribus membranaceis, valva exteriore apice incisa, dorso brevissima aristata, interiore minima, pilis corollam æquantibus, foliis planis scabriusculis, culmis vaginisque glabris.
In bogs of New Jersey and Pensylvania. ♃. July. *v. v.*

canadensis. 4. A. panicula oblonga, calycibus unifloris lanceolatis carina scabris pubescentibus, corollis dorso aristatis.

arista longitudine corollæ, pilis corollam æquantibus, foliis culmisque glabris angustis.—*Mich. fl. amer.* 1. *p.* 73.
On mountain meadows: Canada to Carolina. ♃, July. *v. v.* Resembles A. *Calamagrostis* very much.

5. A. panicula patente, calycibus unifloris acuminatis, pilis corollam æquantibus, arista dorsali geniculata calycem excedente. *Willd. enum. p.* 127. *confinis.*
In North America. *Willdenow.* ♄.

6. A. panicula spicata, calycibus unifloris corolla longioribus, floribus erectis muticis, foliis involutis pungentibus. *Smith fl. brit.* 1. *p.* 148. *arenaria.*
Icon. *Fl. dan.* 917.
On the sea-coast: Canada to New England. ♃, July. *v. v.*

102. ELEUSINE. *Gært. de fr. et sem.* 1. *p.* 7.

1. E. glabra; vaginis compressis, collo pilosis: spicis digitatis strictis longo-linearibus rectis, spiculis subsexfloris, floribus lanceolatis. *Mich. fl. amer.* 1. *p.* 64. *indica.*
In sandy cultivated grounds: New Jersey to Florida. ☉. June—Aug. *v. v.* In Virginia it is known by the name of *Wire-grass*, as a weed very noxious to the cultivator.

2. E. vaginis pilosis, spicis numerosis filiformibus paniculatis, spiculis minutissimis, calyce mucronato quadrifloro, floribus muticis. *Mich. fl. amer.* 1. *p.* 65. *mucronata.*
In cultivated fields: Virginia, Carolina, Illinois, &c. ☉. June, July. *v. v.*

103. CHLORIS. *Swartz. fl. ind.* 1. *p.* 189.

1. C. spica unica, spiculis subsexfloris, floribus aristatis margine barbatis, glumis calycis exteriore scrobiculato-glandulosa dorso aristata. *Mich. fl. amer.* 1. *p.* 59. *monostachya.*
Aegilops aromaticum. *Walt. fl. car.* 249.
In woods and cultivated fields: Virginia to Florida. ☉ July. *v. v.* The spike of this grass is most singularly beautiful.

2. C. spicis 4—6, strictis erectis, flosculis imbricatis subglabris muticis, glumis calycis exteriore aristata, culmo compresso glaberrimo. *Swartz. fl. ind.* 1. *p.* 194. *petræa.*
Cynosurus paspaloides. *Vahl. symb.* 1. *p.* 21.
Agrostis complanata. *Ait. kew.* 1. *p.* 96.
Icon. *Vahl. l. c. t.* 27.

On the gravelly sea-shores of Georgia and Florida. ☉. June. *v. v.*

mucronata. 3. C. culmo repente, spicis plerumque 4. rachi triangulari mucronata, spicis subquadrifloris, gluma exteriore aristata.—*Mich. fl. amer.* 1. *p.* 59.
Aegilops saccharinum. *Walt. fl. car.* 249.
Icon. *Pluk. alm. t.* 300. *f.* 8. *Wire-grass.*
In cultivated grounds: Virginia to Georgia. ☉. June. *v. v.*

curtipendula. 4. C. culmo adscendente racemoso, spiculis plurimis brevibus distichis alternis pendulis sexfloris, calycibus quadrifloris.—*Mich. fl. amer.* 1. *p.* 59.
In dry situations in the western parts of America, Illinois, &c. *Michaux.* ♃. +.

104. ROTTBOELLIA. *Gen. pl.* 1572.

dimidiata. 1. R. spica dimidiata compressa lineari, latere exteriore aggregato-flosculosa, interiori lævi nudo, vaginis compressis, culmo decumbente. *Willd. sp. pl.* 1. *p.* 466.
Ischæmum secundum. *Walt. fl. car.* 249.
On the sea-shores of Carolina and Florida. *v. s. in Herb. Walter.*

105. TRIPSACUM. *Gen. pl.* 1134.

dactyloides. 1. T. spicis subternis aggregatis superne masculis inferne femineis. *Willd. sp. pl.* 4. *p.* 201.
Ischæmum glabrum. *Walt. fl. car.* 249.
Icon. *Pluk. alm. t.* 190. *f.* 2.
On the banks of rivers and along the sea-shore: Virginia, Carolina, Illinois. ♃. Aug. *v. v.*

monostachyon. 2. T. spica solitaria superne mascula inferne feminea. *Willd. sp. pl.* 4. *p.* 202.
Icon. *Willd. hort. ber.* 1. *t.* 1.
In salt meadows and ditches: New York to Carolina. ♃. Aug. *v. v.* Not sufficiently distinct from the former.

cylindricum. 3. T. spica solitaria hermaphrodita cylindrica, spiculis contiguis in articulos secedentibus. *Willd. sp. pl.* 4. *p.* 202. *Mich. fl. amer.* 1. *p.* 60.
In sandy barren fields in Florida. *Michaux.* +.

106. ELYMUS. *Gen. pl.* 128. Wild Rye.

1. E. spica pendula patula, spiculis sexfloris aristatis. *Willd. enum.* 131. *Willd. sp. pl.* 1. *p.* 468. *philadelphicus.*
In shady woods: Canada and New York. ♃. July. *v. v.*

2. E. spica nutante patula, spiculis sexfloris aristatis, inferioribus ternatis, superioribus binatis. *Willd. enum.* 131. *Willd. sp. pl.* 1. *p.* 468. *canadensis.*
In rocky situations: Canada, &c. ♃. July. +.

3. E. spica nutante patula, spiculis sexfloris aristatis geminatis, foliis subtus glaucis. *Willd. enum.* 131. *glaucifolius.*
In the mountains of Virginia, Pensylvania, &c. ♃. July. *v. v.*

4. E. spica erecta, spiculis trifloris aristatis villosis ternatis, calycibus aristatis spiculis superantibus. *Willd. enum.* 131. *villosus.*
In dry rocky soil: Pensylvania, Virginia, &c. ♃. June. *v. v.*

5. E. spica erecta, spiculis trifloris atistatis glabris geminatis, calycibus lanceolatis nervosis spiculis æquantibus. *Willd. enum.* 131. *Willd. sp. pl.* 1. *p.* 469. *virginicus.*
In the mountains very common. ♃. May—July. *v. v.*

6. E. spica erecta, spiculis bifloris aristatis hispidis geminatis, calycibus linearibus nervosis aristatis spiculis fere superantibus, foliis vaginisque glabris. *Willd. enum.* 131. *Willd. sp. pl.* 1. *p.* 470. *striatus.*
In shady situations: Pensylvania, Virginia, &c. ♃. June. *v. v.*

107. HORDEUM. *Gen. pl.* 129. Barley.

1. H. flosculis omnibus hermaphroditis aristatis, ordinibus duobus erectioribus. *Willd. sp. pl.* 1. *p.* 472. *vulgare.*
Icon. *Host. gram.* 3. *t.* 34.
In fields and hedge-rows, apparently in a wild state; introduced from Europe. ☉. July. *v. v.*

2. H. aristis involucrisque setaceis longissimis. *Willd. sp. pl.* 1. *p.* 476. *excl. synon. Ait. kew. ed.* 2. *p.* 180. *jubatum.*
On the islands of the Missouri river. *M. Lewis.* ♂. July. *v. s. in Herb. Lewis. et Lambert.* This species I considered at first a new one; but on examination of the specimens in the Herbarium of A. B. Lambert, Esq., I found it to be the same as the H. *jubatum* of the Hortus Kewensis.

108. SECALE. *Gen. pl.* 127. Rye.

cereale. 1. S. glumarum ciliis scabris. *Willd. sp. pl.* 1. *p.* 471.
Icon. *Host. gram.* 2. *t.* 48.
Frequently found apparently in a wild state. ♂. June *v. v.*

109. TRITICUM. *Gen. pl.* 130. Wheat.

æstivum. 1. T. calycibus quadrifloris ventricosis glabris imbricati aristatis. *Willd. sp. pl* 1. *p.* 476.
Icon. *Host. gram.* 3. *t.* 26.
In corn-fields; introduced from Europe. ⊙. June. *v. v*

III. *TRIGYNIA.*

110. HOLOSTEUM. *Gen. pl.* 136.

succulentum. 1. H. foliis ellipticis carnosis, petalis subtrifidis calyce minoribus. — *Willd. sp pl* 1. *p.* 489.
Polycarpon uniflorum. *Walt. fl. car.* 83.
A doubtful plant, which I never have been able to find either in New York or Carolina.

111. POLYCARPON. *Gen. pl.* 138.

stipulifidum. 1. P. erectum ramosissimum, ramis setaceis, foliis (radicalibus) spathulatis, floribus terminalibus fasciculatis, stipulis setaceo-multifidis *Pers. ench.* 1. *p.* 111.
Stipulicida setacea. *Mich. fl amer.* 1. *p.* 26.
Icon. *Mich. l. & t. 6.*
In barren gravelly soil of Lower Carolina. ⊙. May, June. *v. s in Herb. Lyon.* The style is so very short, that it scarcely can be called monogynous.

112. LECHEA. *Gen. pl.* 142.

major. 1. L. undique hirsuta; foliis oblongo-lanceolatis mucronatis, panicula foliosa pyramidata: ramis apice floriferis, floribus fasciculato-racemosis secundis brevissime pedicellatis, caule erecto — *Willd. sp. pl.* 1. *p.* 495.
L. minor Linnæi. *Smith in encyclop. ed. nov.*
On sandy barren soil: Canada to Florida. ♃. July, Aug. *v. v.* I have frequently observed from three to nine stamina in this species, which I suppose is the case with the following one likewise.

2. L. glabriuscula; foliis lineari-lanceolatis acutis, panicula foliosa, ramis elongatis undique floriferis, floribus brevi-pedicellatis, caule assurgente.—*Willd. sp. pl.* 1. *p.* 495. *minor.*
Icon. *Lam. illustr. t.* 52 *f.* 1.
On dry gravelly hills: Canada to Pensylvania. ♃. July, Aug. *v. v.* Lower in growth and larger in fruit than No. 1.

3. L. undique adpresso-pubescens; foliis linearibus acutis ciliatis, panicula gracilis ramosissima pyramidata, racemulis nudiusculis, floribus parvis alternis pedicellatis, caule erecto.—*Mich. fl. amer.* 1. *p.* 77. *racemulosa.*
In sandy fields: New Jersey to Carolina. ♃. July. *v. v.*

4. L. undique adpresso-cano-villosa; foliis linearibus acutis, panicula foliosa elongata: ramis brevibus, floribus fasciculatis lateralibusque terminalibusque, pedicellis brevissimis, floribus parvis cano-tomentosis, caule erecto. *thymifolia.*
L. thymifolia. *Mich. fl. amer* 1. *p.* 77?
In barren dry woods, on slate hills: Virginia, &c. ♃. July. *v. v.* The lower branches, which in most species of this genus trail on the ground, have a great resemblance to *Thymus Serpyllum.*

5. L. sparse pilosa; foliis angustissimis, panicula divaricata nudiuscula, ramulis alternis, pedicellis elongatis divaricatis, caule erecto.—*Mich. fl. amer.* 1. *p.* 77.
On dry gravelly hills: Virginia to Georgia. ♃. May—July. *v v.* The lower branches in this species have linear leaves, by which it is easily distinguished from the rest.

113. ERIOCAULON. *Gen. pl.* 132.

1. E. scapo decemstriato, foliis ensiformibus glabris, capitulo magno depresso-globoso, squamis involucri ovalibus acutis, paleis receptaculi mucronatis.—*Mich. fl. amer.* 1. *p.* 165. *Willd. sp. pl.* 1. *p.* 485. *decangulare.*
E. serotinum. *Walt. fl. car.* 83. *Lam. encycl.* 3. *p.* 276.
Icon. *Pluk. amalth. t.* 409. *f.* 5.
In deep swamps: New Jersey to Carolina. ♃. Aug. *v. v.* From three to four feet high.

2. E. scapo subcompresso decemstriato, foliis brevibus subulato-ensiformibus glabris: capitulo hemisphærice convexo, involucri squamis ovalibus rotundato-obtusis scariosis argenteo-lucidis. *Mich. fl. amer.* 1. *p.* 165. *gnaphalodes.*
E. decangulare. *Walt. fl. car.* 83.

E. compressum. *Lam. encycl.* 3. *p.* 276.
In sandy mossy swamps: Virginia to Carolina. ♀. July. *v. v.* About a foot high.

pellucidum. 3. E. scapo tenuissime subseptemstriato, foliis subulato-linearibus canaliculatis glabris pellucidis quinquenerviis transverse striatis, capitulo parvo subgloboso, squamis involucri ovalibus obtusis.—*Mich. fl. amer.* 1. *p.* 166.
In pools of water, floating: Canada to New Jersey. ♀. Aug. *v. v.* About a foot high; very slender.

villosum. 4. E. scapis aggregatis compressis subquadrisulcis villosis, foliis brevibus subulato-linearibus pilosis, capitulo sphæroideo parvo, flosculis subfuliginosis.—*Mich. fl. amer.* 1. *p.* 166.
E. anceps. *Walt fl. car.* 83.
On the edges of ponds, in sandy soil: Virginia to Carolina. July. *v. v; v. s. in Herb. Walter.*

flavidulum. 5. E. scapis aggregatis subseptemstriatis subpubescentibus, foliis brevibus subulato-ensiformibus nervosis, capitulo convexo, squamis involucri subobiculatis, flosculis vix papillosis.—*Mich. fl. amer.* 1. *p.* 166.
On the banks of rivers, below high-water mark: Pensylvania to Carolina. ⊙. July. *v. v.* From one to two inches high.

114. MOLLUGO. *Gen. pl.* 139.

verticillata. 1. M. foliis verticillatis cuneiformibus acutis, caule subdiviso decumbente, pedunculis unifloris. *Willd. sp. pl.* 1. *p.* 492.
Icon. *Pluk. mant. t.* 332. *f.* 5. *Ehret. pict. t.* 6. *f.* 3.
In cultivated grounds: Canada to Georgia. ⊙. May—Aug. *v. v.*

115. PROSERPINACA. *Gen. pl.* 134.

palustris. 1. P. foliis linearibus lanceolatis serratis, infimis pinnatifidis. *Lam. illustr.* 1. *p.* 214. *Willd. sp. pl.* 1. *p.* 488.
In ditches and pools: Canada to Carolina. ⊙. July. *v. v.*

pectinata. 2. P. foliis omnibus pectinato-pinnatifidis. *Lam. illustr.* 1. *p.* 214.
P. palustris β. *Mich. fl. amer.* 1. *p.* 76.
In overflowed places and ditches: New Jersey to Carolina. ⊙. July, Aug. *v. v.* This is certainly a distinct species, as I never found them growing promiscuously, or near one another.

IV. *POLYGYNIA.*

116. EMPETRUM. *Gen. pl.* Crake-berry.

1. E. procumbens; foliis oblongis obtusis margine revolutis. *Mich. fl. amer.* 2. *p.* 255. *Willd. sp. pl.* 4. *p.* 713. *nigrum.*
Icon. *Engl. bot.* 526. *Fl. dan.* 975.
On rocks near the sea-coast in Canada: *Michaux.* ♄
May, June. *v. s.* May be distinct from the European species.

IV. TETRANDRIA.

I. MONOGYNIA.

* *Flores monopetali, superi, monospermi.* Aggregatæ.

117. DIPSACUS. *Cal.* communis foliaceus. *Recept.* conicum, paleaceum. *Sem.* columnaria.

118. ALLIONIA. *Cal.* communis 5-fidus, 3-florus: proprius obsoletus, superus. *Corollulæ* irregulares. *Recept.* nudum.

** *Flores monopetali, monocarpi, inferi.*

119. LYCIUM. *Cor.* tubulosa, fauce clausa filamentorum barba. *Cal.* 4-fidus. *Bac.* 2-locularis, polysperma.

120. CALLICARPA. *Cor.* tubulosa. *Cal.* 4-fidus. *Bac.* 4-sperma.

121. CENTUNCULUS. *Cor.* rotata. *Cal.* 4-fidus. *Stam.* brevia. *Caps.* 1-locularis, circumscissa.

122. PLANTAGO. *Cor.* limbo reflexo. *Cal.* 4-fidus. *Stam.* longissima. *Caps.* 2-locularis, circumscissa.

123. POLYPREMUM. *Cor.* rotata, fauce barbata. *Cal.* 4-partitus. *Stam.* inclusa. *Caps.* 2-locularis, obcordata.

124. CENTAURELLA. *Cor* urceolata. *Cal.* 4-partitus, adpressus. *Stigm.* crassum, glandulosum, subbifidum. *Caps.* 1-locularis, 2-valvis, calyce cofollaque persistentibus involucrata.

125. EXACUM. *Cor.* subcampanulata. *Cal.* 4-phyllus. *Caps.* 2-locularis, compressa.

126. SWERTIA. *Cor.* rotata. *Nectariferi* pori ad basin laciniarum corollæ. *Caps.* oblonga 1-locularis, 2-valvis.

127. FRASERA. *Cor.* 4-fida, patens: petala medio glandula barbata. *Cal.* 4-fidus. *Caps.* compressa, submarginata, 1-locularis. *Sem.* pauca, imbricata, marginata.

*** *Flores monopetali, monocarpi, superi.*

128. MITCHELLA. *Cor.* binæ, infundibuliformes *Cal.* 4-dentatus. *Stigm.* 4-fidum. *Bacca* ex germinum coalitione didyma, 4-sperma.
129. OLDENLANDIA. *Cor.* tubulosa. *Cal.* 4-partitus. *Caps.* didyma, polysperma.

**** *Flores monopetali, dicocci, superi.*

130. RUBIA. *Cor.* campanulata. *Baccæ* 2., monospermæ.
131. GALIUM. *Cor.* plana. *Sem.* 2., subrotunda.
132. SPERMACOCE. *Cor.* tubulosa. *Sem.* 2., bidentata.
133. DIODIA. *Cor.* infundibuliformis. *Caps.* 4-gona, 2-locularis, 2 sperma.

***** *Flores monopetali, dicocci, inferi.*

134. HOUSTONIA. *Cor.* infundibuliformis. *Caps.* seminifera, subglobosa, emarginata, 2-locularis, 2-sperma.

****** *Flores tetrapetali.*

135. AMMANNIA. *Cal.* inferus, tubulosus, 8-dentatus. *Caps.* 4-locularis.
136. PTELEA. *Cal.* inferus, 4-partitus. *Pet.* coriacea. *Stigm.* 2. *Samara* monosperma.
137. CORNUS. *Cal.* superus, 4-dentatus. *Drupa* nuce 2-biloculari.
138. LUDWIGIA. *Cal.* 4-partitus. *Caps.* 4-locularis, tetragona.

******* *Flores incompleti.*

139. ALCHEMILLA. *Cal.* inferus, 4-fidus. *Sem.* 1. calyce inclusum.
140. BOEHMERIA. *Cal.* inferus, 4-partitus, ♀. *O. Nectar* O. *Sem.* 1. *Monoica.*
141. URTICA. *Cal.* inferus, 4-phyllus, ♂. 2-valvis. *Nectar.* cyathiforme. *Stigm.* villosum. *Sem.* 1. ovatum. *Monoica.*
142. PARIETARIA. *Cal.* inferus, 4-fidus. *Involucrum* multipartitum. *Sem.* 1. calyce sicco elongato tectum. *Polygamia.*
143. VISCUM. *Cal.* superus, 4-partitus. *Stigm.* capitatum. *Bacca* monosperma. *Dioicum.*
144. CEPHALANTHUS. *Cal.* superus, infundibuliformis. *Recept.* globosum, nudum. *Sem.* 1. lanuginosum.

145. ELÆAGRUS. *Cal.* basi persistens, superne coarctatus et quasi superus, campanulatus, 4-fidus. *Drupa* 1-sperma.

146. HIPPOPHAE. *Cal.* deciduus, inferus, tubulosus, 2-fidus. *Bacca* globosa. *Dioica.*

II. DIGYNIA.

147. PLANERA. *Cal.* campanulatus, 4-fidus. *Cor.* 0. *Nux* 1-sperma, squamulosa. *Polygamia.*

148. HAMAMELIS. *Cal.* 4-fidus, extus 2-squamosus. *Pet.* 4. longissima. *Nux* 2-locularis, 2-cornis.

149. CUSCUTA. *Cal.* 4-fidus. *Cor.* ovata, 4-fida. *Caps.* 2-locularis circumscissa.

150. SANGUISORBA. *Cal.* 2-phyllus, inferus. *Cor.* plana, 4-fida, supera. *Caps.* 4-gona, intra calycem et corollam.

III. TRIGYNIA.

151. PACHYSANDRA. *Cal.* 4-phyllus. *Cor.* 0. *Caps.* 3-locularis. *Monoica.*

IV. TETRAGYNIA.

152. ILEX. *Cal.* 4-dentatus. *Cor.* rotata. *Styl.* 0. *Bac.* 4-sperma.

153. CAGINA. *Cal.* 4-phyllus. *Cor.* 4-petala. *Caps.* 4-locularis polysperma.

154. POTAMOGETON. *Cal.* 4-phyllus. *Cor.* 0. *Sem.* 4. sessilia.

155. RUPPIA. *Cal.* et *Cor.* 0. *Sem.* 4. pedicellata.

I. *MONOGYNIA.*

117. DIPSACUS. *Gen. pl.* 148.

sylvestris. 1. D. foliis connatis sinuatis, paleis rectis, involucro capitulo brevioribus patentibus.—*Willd. sp. pl.* 1. *p.* 544! Icon. *Jacq. fl. aust.* 5. *t.* 403.

On the edges of fields and on water sides: Pensylvania to Virginia. ♂. July. *v. v.* Probably introduced from Europe, but sometimes found in very remote parts from cultivation.

118. ALLIONIA. *Gen. pl.* 151.

1. A. caule erecto, foliis lato-cordatis acutis, glabris, pedunculis solitariis, calycibus fructiferis sub-hirsutis, involucro ampliato multo minoribus.—*Mich. fl. amer.* 1. *p.* 100. *nyctaginea.*
On the banks of the river Tennassee and its branches. ♃. July, Aug. *v. v.* Resembles *Mirabilis Jalapa* very much.

2. A. caule diffuso, foliis lanceolatis scabriusculis ciliatis, pedunculis solitariis, involucro subpentaphyllo : foliolis ovatis reticulato-venosis.—*Walt. fl. car.* 84. *albida.*
In Lower Carolina. *Walter.* ⊙. July. *v. s. in Herb. Walter.*

3. A. caule diffuso dichotomo, foliis ovatis scabriusculis nudis, floribus terminalibus fasciculato-racemosis, involucro semiquinquefido : laciniis subrotundis acutiusculis reticulato-venosis. *ovata.*
On the plains of the Missouri. *M. Lewis.* ⊙. Aug. *v. s. in Herb. Lewis.*

119. LYCIUM. *Gen. pl.* 343.

1. L. inerme ; foliis anguste spathulato-oblongis. *Mich. fl. amer.* 1. *p.* 95. *Walt. fl. car.* 84. *carolinianum.*
L. salsum. *Bartr. trav.* 59.
In salt marshes of Carolina and Georgia. ♄. July. *v. v.* Flowers purple, the size of L. *barbarum.*

120. CALLICARPA. *Gen. pl.* 175.

1. C. foliis ovalibus serratis subtus tomentosis, cymis sessilibus.—*Willd. sp. pl.* 1. *p.* 619. *americana.*
Icon. *Catesb. car.* 2. *t.* 47. *Pluk. alm. t.* 136. *f.* 3.
In dry gravelly soil, below the mountains in Virginia and Carolina. ♄. June, July. *v. v.* Flowers red, in small axillary bunches ; berries red, apparently in a whorl round the branches, hang on very long.

121. CENTUNCULUS. *Gen. pl.* 189.

1. C. foliis deorsum angustatis : inferioribus ovalibus, superioribus lanceolatis, laciniis calycis subulatis, caule simplici.—*Mich. fl. amer.* 1. *p.* 193. *lanceolatus.*
In wet barren fields : Lower Carolina, &c. ⊙. May.

v. s. in Herb. Nuttall. A very small inconspicuous plant with axillary reddish flowers. The specimens of Mr. Nuttall's were collected on the Missouri, they are about four inches high: and according to his observations, very obligingly communicated to me, this species is generally pentandrous.

122. PLANTAGO. *Gen. pl.* 186.

data. 1. P. foliis ovatis cordatis latissimis subdentatis glabris, spica longissima, floribus subimbricatis, inferioribus sparsis, bracteis ovatis obtusis.—*Lam. encycl.* 5. *p.* 369.
P. kentuckensis. *Mich. fl. amer.* 1. *p.* 94.
P. canadensis. *Hort. par.*
On river sides: Canada, Kentucky, Tennassee, and other western parts. ♃. June—Aug. *v. v.*

major. 2. P. foliis ovatis subdentatis glabriusculis, scapo tereti, spica oblonga imbricata. *Lam. encycl.* 5. *p.* 368. *Willd. sp. pl.* 1. *p.* 641.
Icon. *Engl. bot.* 1558. *Fl. dan.* 461.
In fields and on road sides, common. ♃. May—Sept. *v. v.*

cucullata. 3. P. foliis ovatis concavo-cucullatis novemnerviis subtus pubescentibus, spica cylindrica imbricata, scapo tereti alto. *Lam. encycl.* 5. *p.* 370.
P. maxima. *Jacq. ic.* 1. *t.* 26. *Willd. sp. pl.* 1. *p.* 642.
Icon. *Jacq. l. c.*
In wet rocky situations: Canada and Province of Maine. ♃. July, Aug. *v. v.*

lanceolata. 4. P. foliis lanceolatis villosis, spica brevi cylindrica, bracteis ovatis acuminatis, scapo angulato adpresso piloso.
P. lanceolata. *Willd. sp. pl.* 1. *p.* 643?
In fields and pastures, common. ♃. June—Aug. *v. s.* May be a new species. P. *lanceolata* of Europe, according to the specimens examined in the Herbarium of A. B. Lambert, Esq. is *bracteis oblongis acutis.*

virginica. 5. P. undique canescenti-pubescens; foliis lanceolato-ovatis subdenticulatis, floribus remotis, scapo angulato. *Willd. sp. pl.* 1. *p.* 643.
Icon. *Moriss. hist.* 3. *s.* 8. *t.* 15. *f.* 8.
In dry barren fields, common: New England to Florida. ☉. ♂. May—Aug. *v. v.* There are a number of varieties in respect to size and pubescence.

caroliniana. 6. P. undique glabra; foliis lanceolatis integerrimis longis, floribus remotis, caule tereti.—*Walt. fl. car.* 85.

P. angustifolia glabra, &c. *Clayt. fl. virg.* 153.
In sandy grassy woods: Virginia to Carolina. ♂. June, July. *v. v.*; *v. s. in Herb. Walter.*

7. P. foliis ovato-lanceolatis integerrimis villosiusculis, spica longa gracili interrupta, floribus glabris.—*Lam. encycl.* 5. *p.* 373. *interrupta.*
P. sparsiflora. *Mich. fl. amer.* 1. *p.* 94.
In shady woods: Virginia to Carolina. ♃. July, Aug. *v. v.*

8. P. foliis lineari-lanceolatis integerrimis glabriusculis, scapo tereti foliis breviore, spica pauciflora interrupta, bracteis ovatis acutis glabris. *pauciflora.*
On the sea-coast of New England and New Jersey. ♃. Aug. *v. v.* In the Herbarium of A. B. Lambert, Esq. are specimens from Labrador, agreeing in every respect with this species.

9. P. undique argenteo-villosa; foliis lineari-lanceolatis integerrimis supra nudiusculis, scapis teretibus foliis vix longioribus, spica cylindrica imbricata, bracteis linearibus longissime ciliato-villosis. *Lagopus.*
In dry situations on the banks of the Missouri. *Nuttall.* ⊙. July. *v. s. in Herb. Nuttall.* This beautiful little plant is very variable in size.

10. P. foliis carnosis subulato-linearibus basi pilosis, scapo tereti pubescente, spica cylindrica, bracteis obtusis.—*Willd. sp. pl.* 1. *p.* 647. *maritima.*
Icon. *Engl. bot.* 175. *Fl. dan.* 243.
On the banks of rivers near the sea: Canada to New York. ♃. Aug. *v. v.*

11. P. foliis subsetaceo-linearibus, spica oblongo-cylindrica, bracteis subulato-aristatis flore longioribus. *Mich. fl. amer.* 1. *p.* 95. *aristata.*
In the natural meadows of Illinois. *Michaux.* +.

123. POLYPREMUM. *Gen. pl.* 178.

1. P. polypremum. *Willd. sp. pl.* 1. *p.* 623. *procumbens.*
Icon. *Lam. illustr.* 1. *t.* 71.
In dry pastures: Virginia to Georgia. ⊙. May—Aug. *v. v.* Flowers white, very small.

124. CENTAURELLA. *Mich. fl. amer.* 1. *p.* 97.

1. C. caule simplici, pedunculis sparsis subcorymbioso-elongatis, laciniis corollæ oblongis acutis calyce duplo *vernalis.*

longioribus, stylo germine longiore. *Mich. fl. amer.* 1. *p.* 98.
Icon. *Mich. l. c. t.* 12. *f.* 2.

uniflora. β. C. pusilla, caule unifloro.
In mossy swamps: Virginia to Georgia. ☉. May—July. *v. v.* Var. β *v. s. in Herb. Lyon.* About five inches high; the flowers white, and larger than the rest. The variety β may be a distinct species?

æstivalis. 2. C. caule simplici, pedunculis oppositis simplicibus, laciniis corollæ spathulatis abrupte acutis calyce triplo longioribus, stylo longitudine germinis.
In mossy swamps: Carolina to Georgia. ☉. June—Aug. *v. s. in Herb. Enslen.* From two to four inches high; flowers smaller than No. 1; the calyx very short.

autumnalis. 3. C. caule subramoso, pedunculis oppositis, inferioribus ramosis, laciniis corollæ ovalibus acutis calyce vix longioribus, stylo brevissimo.
C. paniculata. *Mich. fl. amer.* 1. *p.* 98.
Bartonia tenella. *Muhlb. in litt.*
Sagina virginica. *Willd. sp. pl.* 1. *p.* 719.
Icon. *Mich. l. c. t.* 12. *f.* 1.
In mossy swamps, in inundated grassy places: New England to Carolina, common. ☉. July—Sept. *v. v.*; *v. s. in Herb. Gronov. sub nomine Sagina caule erecto subnudo, floribus oppositis. Saginæ affinis planta minima, floribus albis. Cloyt. MSS.* 649. About a foot high, sometimes quite simple and very small; flowers small, greenish-white.

125. EXACUM. *Gen. pl.* 185.

pulchellum. 1. E. corollis quadrifidis, calycibus quadripartitis: laciniis subulatis, panicula corymbosa, pedunculis filiformibus.
Near the sea-coast of New Jersey; rare. ☉. Aug. *v. v.* Flowers rose-coloured; resembling E. *filiforme* very much.

126. SWERTIA. *Gen. pl.* 449.

corniculata. 1. S. corollis campanulatis corniculatis: cornibus deflexis, foliis ovatis, ramis brevibus.
S. corniculata. *Willd. sp. pl.* 1. *p.* 1330?
In swamps of Canada and round the lakes of the western part of the United States. ♂. July. *v. v.* Flowers greenish yellow. The Siberian plant differs from the

American in being *cornibus divaricatis adscendentibus, foliis lanceolatis et ramis elongatis*; by which the American plant appears to be a distinct species.

2. S. corollis campanulato-rotatis longitudine calycis, floribus fastigiato-aggregatis axillaribus terminalibusque, pedicellis geminis, foliis spathulato-obovatis nervosis, caule ramoso, *fastigiata.*

On the Missouri flats, near the Rocky mountain. *M. Lewis.* ♀. July. *v. s. in Herb. Lewis.* Leaves large; flowers sky-blue.

3. S. corollis rotatis calyce duplo longioribus, caule simplicissimo unifloro, foliis oblongis. *pusilla.*

On the alpine regions of the White-hills of New Hampshire. ☉. June. *v. v.* The whole plant scarcely above an inch high, with one or two pair of small leaves, and a considerable-sized blue flower. Divisions of the corolla oblong, acuminate; of the calyx obtuse. In the Banksian Museum are specimens from Labrador, in every respect agreeing with the New Hampshire plant.

127. FRASERA. *Mich. fl. amer.* 1. *p.* 96.

1. Frasera. *Mich. l. c. p.* 97. *Walteri.*
Frasera caroliniensis. *Walt. fl. car.* 88.
In swamps of Lower Carolina and on the borders of the lakes in Pensylvania and New York. ♂. July. *v. v.* Stem from three to six feet high; leaves in whorls or opposite; flowers in aggregate clusters, greenish-yellow, sometimes mixed with purple. The whole of the plant has a very stately appearance; its generic character approaches so near to *Swertia*, that, without seeing the fruit, it might be considered a species of that genus.

128. MITCHELLA. *Gen. pl.* 174.

1. Mitchella. *Willd. sp. pl.* 1. *p.* 617. *repens.*
Icon. *Catesb. car.* 1. *t.* 20. *Pluk. amalth. t.* 444. *f.* 2.
In shady situations on rocks and round the roots of trees: Canada to Georgia. ♄. June. *v. v.* A small creeping plant; flowers white, hairy inside; berries red.

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129. OLDENLANDIA. *Gen. pl.* 205.

glomerata. 1. O. procumbens; foliis lanceolato-ovatis, floribus axillaribus terminalibusque conglobatis pedicellatis, germinibus hispidis. *Mich. fl. amer.* 1. *p.* 83.
O. uniflora. *Willd. sp. pl.* 1. *p.* 675.
Hedyotis auricularia. *Walt. fl. car.* 85.
Hedyotis uniflora. *Lam. illustr.* 1. *p.* 271.
On sandy wet fields: New Jersey to Carolina. ☉. May—July. *v. v.* A small creeping plant; flowers greenish-white.

130. RUBIA. *Gen. pl.* 164. Madder.

Brownei. 1. R. hispida; foliis quaternis ovalibus, pedunculis solitariis unifloris, caule decumbente. *Mich. fl. amer.* 1. *p.* 81
R. subhirsuta scandens vel reclinata, foliis cruciatis, floribus singularibus ad alas. *Brown. jam. p.* 141.
R. peregrina. *Walt. fl. car.* 86.
Valantia hypocarpa. *Linn.*
In shady woods: Carolina and Florida. ♃. +. Flowers yellow; berries purple, smooth.

131. GALIUM. *Gen. pl.* 162.

* *Fructu glabro.*

latifolium. 1. G. caulibus erectis lævibus, foliis quaternis ovatis acutis trinervibus: margine nervisque hispidis, pedunculis oppositis lateralibus terminalibusque dichotomis divaricatis laxe multifloris.—*Mich. fl. amer.* 1. *p.* 79.
In dry slaty mountains of Virginia and Carolina. ♃. June, July. *v. v.* Leaves broad; flowers purple. It generally has but one seed.

uniflorum. 2. G. caulibus flaccidis lævibus, foliis quaternis linearibus acutis glabris; pedunculis axillaribus solitariis unifloris brevissimis.—*Mich. fl. amer.* 1. *p.* 79.
In Carolina. *Michaux.* +. Flowers white.

tinctorium. 3. G. caulibus diffusis læviusculis, foliis caulinis senis, ramei quaternis linearibus acutiusculis, margine nervoque tenuissime aculeatis, pedunculis terminalibus elongatis plerumque trifloris.—*Willd. sp. pl.* 1. *p.* 580.
In wet woods and along hedges: Canada to Virginia. ♃. June—Aug. *v. v.* Flowers white. This is the plant with which the Indians of North America dye

their feathers, porcupine quills, and other ornaments, of a beautiful red.

4. G. caulibus diffusis ramosissimis retrorsum aculeatis, foliis caulinis senis, rameis quaternis lanceolatis acuminatis margine nervoque aculeatis, ramulis floriferis divaricatis multifloris, pedicellis brevibus.—*Mich. fl. amer.* 1. *p.* 78. *asprellum.*

In swamps and among low bushes: Canada to Virginia. ♃. July. *v. v.* Flowers white, very small.

5. G. caulibus procumbentibus retro-scabris, foliis caulinis quinis, rameis quaternis linearibus obtusis margine nervoque scabris, fasciculis terminalibus pauciforis, pedicellis brevibus, corollis plerumque trifidis.—*Willd. sp. pl.* 1. *p.* 585. *trifidum.*

Aparine floribus albis, &c. *Gron. fl. virg.* 18.

G. Claytoni. *Mich. fl. amer.* 1. *p.* 78.

In swamps and wet fields: Canada to Carolina. ♃. July. *v. v.* Flowers white, very small.

** *Fructu hirsuto.*

6. G. caulibus flaccidis retrorsum scabris, foliis suboctonis lineari-lanceolatis mucronatis supra hispidis, margine carinaque aculeatis, ramulis floriferis longitudine foliorum subtrifloris, fructibus uncinato-hispidis.—*Willd. sp. pl.* 1. *p.* 597. *Aparine.*

Icon. *Fl. dan.* 495. *Engl. bot.* 816.

In hedges and small woods: Pensylvania, &c. ☉. ♂. June—Aug. *v. v.* Flowers small, white.

7. G. caulibus ramosissimis divaricatis retrorsum aculeatis, foliis brevibus lanceolatis mucronatis glabris, margine carinaque aculeatis, ramulis floriferis divaricato-ramulosis, pedicellis subbifloris, fructibus hispidis. *micranthum.*

In mountain swamps: Canada to New York. ♃. July. *v. v.* Flowers white, very numerous and exceeding small. It produces generally only one seed. Resembles G. *uliginosum* very much.

8. G. caulibus flaccidis elongatis brachiato-ramosis hispidis; ramis brevibus, foliis senis oblongo-lanceolatis acuminatis glabris, margine carinaque setaceo-ciliatis, ramis floriferis verticillis longioribus divaricato-dichotomis: pedicellis bifloris, fructibus uncinato-hispidis. *brachiatum.*

In meadows and on the edges of woods, frequent: New England to Virginia. ♃. June—Aug. *v. v.* Flowers white.

triflorum. 9. G. caulibus procumbentibus glabriusculis, foliis senis quinisque obovato-lanceolatis mucronatis glabris margine vix ciliatis, ramulis floriferis elongatis apice trifloris, floribus pedicellatis, fructibus parvis hispidis. *Mich. fl. amer.* 1. *p.* 80.
Icon. *Wendl. hort. t.* 66.
In shady rocky places: Pensylvania to Carolina. ♃. July. *v. v.* Flowers white, very small.

hispidum. 10. G. caulibus procumbentibus ramosissimis hispidis, foliis quaternis ovali-lanceolatis acuminatis margine revolutis rugosis utrinque hispidis, floribus subsolitaric terminalibus, fructibus hispidis.—*Mich. fl. amer.* 1. *p.* 79.
G. lappaceum. *Fl. per.* 1. *p.* 59?
In Lower Carolina. *Michaux.* +. Flowers white.

bermudianum. 11. G. caulibus ramosissimis vix pubescentibus, foliis quaternis ovatis obtusis glabris, margine nervisque pubescentibus pellucido-punctatis, ramulis floriferis elongatis, fructibus uncinato-hispidis.—*Willd. sp. pl.* 1. *p.* 595.
G. purpureum. *Walt. fl. car.* 87.
G. puncticulosum. *Mich. fl. amer.* 1. *p.* 80.
In wet places: Virginia to Carolina. ♃. July. *v. v.* Flowers purple.

pilosum. 12. G. caulibus subsimplicibus elongato-adscendentibus remote-geniculatis hispidis, foliis quaternis ovalibus brevissime mucronatis utrinque hirsutissimis enervibus, ramulis floriferis elongatis subsimplicibus apice subtrifloris, fructibus pilosis. *Willd. sp. pl.* 1. *p.* 599.
In dry woods: Pensylvania to Carolina. ♃. June, July. *v. v.* Flowers brownish purple.

circæzans. 13. G. caulibus erectis lævibus, foliis quaternis ovalibus obtusis glabris, margine nervisque ciliolatis, pedunculis divaricatis paucifloris, floribus remotis subsessilibus, fructibus cernuis uncinato-hispidis. *Mich. fl. amer.* 1. *p.* 80.
G. boreale. *Walt. fl. car.* 87.
In dry barren woods and mountains: New England to Carolina. ♃. June—Aug. *v. v.* Flowers yellowish-white; stem not above six inches high.

boreale. 14. G. caulibus erectis lævigatis, foliis quaternis linearibus acutis trinervibus glabris, margine nervoque scabris, panicula terminali divaricata, fructibus tenuissime muricato setosis.—*Willd. sp. pl.* 1. *p.* 595.
Icon. *Fl. dan.* 1024? *Engl. bot.* 105?
On the banks of the Susquehanna near Wilkesbarre, among rocks: Pensylvania and about the lakes of Ca-

nada and New York. ♃. July. *v. v.* Flowers white, very numerous, collected in a regular panicle. Though I doubt of its being the G. *boreale* of Linnæus, I found so many intermediate specimens in the collection of A. B. Lambert, Esq., collected by Pallas in Russia, that I could draw no line of essential distinction between them.

132. SPERMACOCE. *Gen. pl.* 155.

1. S. caule erecto glabro, foliis lanceolatis supra scabris subtus glabriusculis, floribus verticillatis, seminibus hirtis.—*Willd. sp. pl.* 1. *p.* 568. *tenuior.*
Icon. *Schkuhr handb.* 1. *t.* 22. *Lam. illustr.* 1. *t.* 62. *f.* 1.
In dry gravelly situations: Virginia to Carolina. ⊙. June —Aug. *v. v.* Flowers white, very small.

2. S. caule procumbente glabro, foliis ovato-lanceolatis utrinque glabris, floribus verticillatis, seminibus glabris.—*Mich. fl. amer.* 1. *p.* 82. *glabra.*
On the banks of rivers in most of the western territories. ⊙. July, Aug. *v. v.* Flowers white, longer than No. 1.

3. S. caule diffuso tereti hirsuto, foliis lineari-lanceolatis glabriusculis, margine carinaque serrulato-scabris, stipulis longissime multisetis, floribus axillaribus sessilibus solitariis alternis, seminibus hirsutis.—*Mich. fl. amer.* 1. *p.* 82. *diodina.*
In dry barren soil, on iron ore hills: Virginia to Carolina. ⊙. July, Aug. *v. v.* Flowers white, very small.

4. S. caule alterne ramoso hispidissimo, foliis ovato-lanceolatis acuminatis utrinque hirsutis, stipulis multisetis, capitulis terminalibus involucratis, staminibus exertis. *involucrata.*
In Carolina. *Fraser. v. s. in Herb. Lambert.* About a foot high; leaves broad and somewhat oblique; flowers white, with a very long tube.

133. DIODIA. *Gen.* 158.

1. D. glabra; caulibus procumbentibus teretiusculis, foliis lanceolatis, corollis intus glabriusculis, fructibus oblongis glabris.—*Willd. sp. pl.* 1. *p.* 580. *virginica.*
D. teres. *Walt. fl. car.* 87.
Icon. *Jacq. ic. rar.* 1. *t.* 29. *bona.*

In sandy wet places, on road sides: Virginia to Carolina. ♃. June—Aug. *v. v.* Stem smooth, purple; flowers white.

hirsuta. 2. D. undique hirsutissima; caulibus procumbentibus tetragonis, foliis lineari-oblanceolatis, corollis intus dense barbatis, fructibus ovatis hirsutis.

In sandy fields: Georgia near Savannah. ♃. July. *v. s.* Stems very branching; flowers white, larger than the former species.

134. HOUSTONIA. *Gen. pl.* 161.

cærulea. 1. H. caule erecto setaceo dichotomo, foliis radicalibus spathulatis, caulinis oblanceolatis oppositis, pedunculis unifloris elongatis.—*Willd. sp. pl.* 1. *p.* 583.

Poiretia erecta. *Gmel. syst.* 263. Anonymos. *Walt. fl. car.* 86.

Icon. *Bot. mag.* 370. *Pluk. alm. t.* 97. *f.* 9.

elatior. *α.* H. caule pedunculisque erectis, floribus magnis cæruleis.

minor. *β.* H. caule divaricato, floribus plerumque albis.

From New England to Florida: *α* in rocky situations: *β* along the sandy sea-coast. ♃. April, May. *v. v.* Flowers a beautiful blue, sometimes white.

serpyllifolia. 2. H. caule procumbente cæspitoso, foliis spathulatis obtusis, pedunculis terminalibus unifloris longis. *Mich. fl. amer.* 1. *p.* 85.

In high mountains, near rivulets and springs: Virginia to Carolina. ♃. May. *v. v.* Flowers blue.

tenella. 3. H. caule repente filiformi, foliis orbiculatis acutis nervosis, pedunculis terminalibus unifloris longissimis.

On high mountains: North Carolina. *Lyon.* ♃. June. *v. s. in Herb. Lyon.* Flowers purple; smaller than the second species, which it resembles very much.

rotundifolia. 4. H. caule repente, foliis suborbiculatis abrupte petiolatis crassiusculis; pedunculis axillaribus solitariis unifloris. —*Mich. fl. amer.* 1. *p.* 85.

Poiretia procumbens. *Gmel. syst.* 263. Anonymos. *Walt. fl. car.* 86.

Along the sea-coast: Virginia to Florida. ♃. March—May. *v. v.* Flowers white; leaves evergreen.

angustifolia. 5. H. caule erecto ramosissimo glabro, foliis linearibus, floribus terminalibus fasciculatis subsessilibus, sæpe ternis.—*Mich. fl. amer.* 1. *p.* 85.

H. longifolia. *Willd. sp. pl.* 1. *p.* 583?
Along the sea-coast, in sandy fields: Carolina to Florida ♃. May—July. *v. v.* Flowers purple.

6. H. caule erecto superne ramoso ad geniculis pubescente, foliis sessilibus ovatis lanceolatis vel lineari-lanceolatis, fascieulis terminalibus corymbosis. *Willd. sp. pl.* 1. *p.* 584. *purpurea.*
H. varians. *Mich. fl. amer.* 1. *p.* 86.
Hedyotis umbellata. *Walt. fl. car.* 85.
Knoxia purpurea. *Lam. illustr.* 1. *p.* 259.
In dry woods: Pensylvania to Carolina. ♃. June, July. *v. v.* Flowers purple.

135. AMMANNIA. *Gen. pl.* 206.

1. A. caule erecto, foliis lanceolato-linearibus basi dilatata semi-amplexicaulibus, floribus inferioribus verticillatis.—*Willd. sp. pl.* 1. *p.* 678. *ramosior.*
In swamps and inundated fields: Virginia, Carolina, and the western territories. ☉. July, Aug. *v. v.* Flowers purple.

2. A. caule procumbente, foliis lanceolatis in petiolum angustatis, floribus solitariis oppositis sessilibus.—*Mich. fl. amer.* 1. *p.* 99. *humilis.*
A. ramosior. *Walt. fl. car.* 88.
In gravelly wet places, along rivers: Virginia to Carolina. ☉. Aug. Sept. *v. v.* Flowers red.

136. PTELEA. *Gen. pl.* 1505.

1. P. foliis ternatis. *Willd. sp. pl.* 1. *p.* 670. *trifoliata.*
Icon. *Schmidt arb.* 2. *t.* 76. *Mill ic.* 2. *t.* 211.
2. P. foliis quinatis. *Du Roi.* pentaphylla.
3. P. foliis pubescentibus. pubescens.
In shady moist hedges and on the edges of woods among rocks: New York to Carolina. ♄. June. *v. v.* A small tree or shrub from ten to fifteen feet high. Flowers small, greenish white, in corymbous clusters. The variety β grows in Pensylvania, and appears to be a new species.

137. CORNUS. *Gen. pl.* 194.

* *Involucratæ capitatæ.*

1. C. herbacea; foliis summis verticillatis venosis, involucris ovatis acuminatis, drupis globosis. *Willd. sp. pl.* 1. *p.* 661. *canadensis.*

Icon. *L'Her. corn. t.* 1. *Bot. mag.* 880.
In shady woods of Canada, and on high mountains in boggy ground, from New England to Carolina. ♃. ♄. May. *v. v.* About six inches high; flowers purplish-white; involucra white; berries red, ripe in July.

florida. 2. C. arborea; foliis ovatis acuminatis, involucris magnis quasi obcordatis, drupis ovatis.—*Willd. sp. pl.* 1. *p.* 661.
Icon. *Catesb. car. t.* 27. *Schmidt arb. t.* 62. *Bot. mag.* 526. *Dog-wood.*
Frequent in woods from Canada to Carolina. ♄. May. *v. v.* A beautiful small tree; flowers greenish-yellow; involucre white, tinged with red; berries scarlet, ripe in August. The wood is exceedingly hard, and of a very fine texture.

** *Nudæ cymosæ.*

circinata. 3. C. ramis verrucosis, foliis lato-ovalibus acuminatis subtus albo-tomentosis, cymis patentissimis.—*L'Herit. corn. p.* 7.
C. tomentulosa. *Mich. fl. amer.* 1. *p.* 91.
C. rugosa. *Lam. encycl.* 2. *p.* 115.
C. virginiana. *Hort. par.*
Icon. *L'Herit. l. c. t.* 3. *Schmidt arb.* 2. *t.* 69.
On the banks of rivers: Canada to Virginia. ♄. June, July. *v. v.* A shrub from six to ten feet high; leaves broad, waved on their edges; flowers white, as in all the following species; berries blue.

sericea. 4. C. ramis patulis: ramulis lanuginosis, foliis ovatis acuminatis subtus ferrugineo-pubescentibus, cymis depressis lanuginosis.—*Willd. sp. pl.* 1. *p.* 663.
C. lanuginosa. *Mich. fl. amer.* 1. *p.* 92.
C. alba. *Walt. fl. car.* 88.
C. cærulea. *Lam. encycl.* 2. *p.* 116.
C. amomum. *Du Roi harbk.* 1. *p.* 165.
C. rubiginosa. *Ehrh. beitr.* 4. *p.* 15.
C. ferruginea. *Hort. par.*
Icon. *L'Herit. corn. t.* 2. *Schmidt arb.* 2. *t.* 64.
In swampy woods and on river banks: Canada to Carolina. ♄. June, July. *v. v.* From five to eight feet high; berries bright blue.

C. ramis erectis: ramulis cymisque pubescentibus, foliis brevi-petiolatis ovalibus acuminatis supra asperis subtus subtomentosis.—*Mich. fl. amer.* 1. *p.* 93.
In shady woods of Lower Carolina. *Michaux.* ♄.

June, July. +. Probably only a variety of the former species.

6. C. ramis strictis fastigiatis, foliis ovatis acuminatis glabris subconcoloribus, cymis convexis subpaniculatis. *L'Herit. corn. p. 8.* — *stricta.*
C. fastigiata. *Mich. fl. amer. 1. p. 92.*
C. sanguinea. *Walt. fl. car. 88.*
C. canadensis. *Hort. par.*
Icon. *L'Herit. corn. t. 4. Schmidt arb. 2. t. 67.*
On the banks of rivers: Canada to Carolina, frequent. ♄. June. *v. v.* From six to ten feet high; berries blue: anthers blue.

7. C. ramis strictis, foliis ovatis concoloribus utrinque pubescentibus, cymis patentibus. *L'Herit. corn. p. 5.* — *sanguinea.*
Icon. *Schmidt arb. 2. t. 66. Fl. dan. 481.*
Near the lakes of Canada and New York. ♄. June, July. *v. v.* From eight to twelve feet high; anthers yellow; berries dark brown.

8. C. ramis recurvatis, ramulis glabris, foliis ovatis acutis pubescentibus subtus canis, cymis depressis. *L'Herit. corn. p. 6. Willd. sp. pl. 1. p. 662.* — *alba.*
C. stolonifera. *Mich. fl. amer. 1. p. 92.*
C. tartarica. *Mill. dict. n. 7.*
Icon. *Schmidt arb. 2. t. 65.*
On the banks of rivers and lakes: Canada to Virginia. ♄. May—July. *v. v.* From six to ten feet high; branches red; berries blueish-white.

9. C. ramis erectis, foliis ovatis acuminatis glabris subtus canis, cymis thyrsoideis. *L'Herit. corn. p. 9.* — *paniculata.*
C. racemosa. *Lam. encycl. 2. p. 116.*
C. citrifolia. *Hort. par.*
β. C. foliis elliptico-lanceolatis. *Ehrh.* — albida.
γ. C. racemis sterilibus foliiferis. — radiata.
Icon. *L'Herit. corn. t. 5. Schmidt arb. 2. t. 68.*
In swamps and near rivulets among other bushes: Canada to Carolina, rare. ♄. July, Aug. *v. v.* From four to six feet high; berries white, depressed globous.

10. C. ramis verrucosis, foliis alternis ovatis acutis subtus canis, cymis depressis patentibus. *L'Herit. corn. p. 10. Willd. sp. pl. 1. p. 664.* — *alternifolia.*
Icon. *L'Herit. corn. t. 6. Schmidt arb. 2. t. 70.*
In shady woods, on river banks: Canada to Carolina. ♄. May—July. *v. v.* A small tree from fifteen to twenty feet high; berries purple.

138. LUDWIGIA. *Gen. pl.* 204.

* *Corollatæ.*

macrocarpa. 1. L. erecta, ramosa, glabriuscula; foliis alternis lanceolatis subtus canis, pedunculis unifloris axillaribus, capsulis globoso-tetragonis, laciniis calycinis magnis coloratis coronatis. *Mich. fl. amer.* 1. *p.* 89.
L. alternifolia. *Willd. sp. pl.* 1. *p.* 672.
Icon. *Lam. encycl.* 3. *p.* 77. *Trew ehr.* 2. *t.* 2.
In wet pastures and swamps: New England to Florida. ♃. July. *v. v.* Stem purple, two feet high; flowers yellow.

hirsuta. 2. L. erecta, ramosa, hirsuta; foliis alternis oblongis sessilibus utrinque hirsutis, pedunculis unifloris axillaribus, capsulis globoso-tetragonis coronatis basi bibracteatis. *Lam. encycl.* 3. *p.* 587.
L. pilosa. *Walt. fl. car.* 89.
In ditches and ponds on sandy soil: New Jersey to Carolina. ♃. July, Aug. *v. v.* The same size and habit as No. 1.

linearis 3. L. erecta, virgata, glabra; foliis alternis linearibus acutis, floribus axillaribus solitariis sessilibus, capsulis oblongis turbinatis, laciniis calycinis semilanceolatis. *Walt. fl. car.* 89.
L. angustifolia. *Mich. fl. amer.* 1. *p.* 88.
Near ditches and ponds in sandy soil: Virginia to Carolina. ♃. July, Aug. *v. v.* From two to five feet high, very branchy; flowers small, yellowish-brown.

virgata. 4. L. erecta, virgata, glabra; foliis alternis linearibus obtusis, floribus terminalibus subspicatis pedicellatis, capsulis globoso-tetragonis ecoronatis. *Mich. fl. amer.* 1. *p.* 89.
L. ramosissima. *Walt. fl. car.* 89.
In dry sandy woods of Lower Carolina. *Michaux.* ♃. May, June. *v. s.* Flowers small.

decurrens. 5. L. erecta, ramosissima, glabra; foliis alternis linearilanceolatis decurrentibus, floribus axillaribus subsessilibus solitariis alternis, capsulis clavatis coronatis, laciniis calycinis ovali-lanceolatis. *Walt.*
L. jussiæoides. *Mich. fl. amer.* 1. *p.* 89.
In shady woods near ponds and ditches: Virginia, Lower Carolina. ⊙. July, Aug. *v. v.* Four feet high, very branchy; flowers large, yellow.

6. L. erecta, glabra; foliis alternis lato-linearibus acutis basi rotundatis, capitulis spicatis terminalibus, petalis calyce brevioribus, capsulis subglobosis coronatis, laciniis calycinis dilatatis brevibus. *Mich. fl. amer.* 1. *p.* 90. *capitata.*
L. suffruticosa. *Walt. fl. car.* 90.
In swamps of North and South Carolina. ♃. July—Sept. *v. v.* The root is creeping; infertile branches have short obovate leaves; flowers small, yellow.

7. L. repens, pubescens; foliis oppositis lineari-lanceolatis glabris, pedunculis axillaribus unifloris longissimis, capsulis clavato-oblongis coronatis, laciniis calycinis lanceolatis. *Mich. fl. amer.* 1. *p.* 88. *pedunculosa.*
L. arcuata. *Walt. fl. car.* 89.
In swamps near the sea-coast: Virginia to South Carolina. ♃. May—July. *v. s.* A small plant; flowers large, yellow.

** *Apetalæ.*

8. L. repens, lucida; foliis oppositis ovato-lanceolatis petiolatis, floribus axillaribus solitariis sessilibus, capsulis subovatis brevi-coronatis. *Mich. fl. amer.* 1. *p.* 87. *nitida.*
L. apetala. *Walt. fl. car.* 89.
L. repens. *Swartz. fl. ind. occid.* 1. *p.* 273.
Isnardia palustris. *Willd. sp. pl.* 1. *p.* 680.
Icon. *Lam. encycl.* 3. *t.* 77.
In ditches and ponds, common: Canada to Georgia. ♃. ⊙. May—Sept. *v. v.* Floating in the water; flowers exceeding small; frequently with rudiments of petals.

9. L. procumbens, glaberrima; foliis alternis spathulato-obovalibus superne glanduloso-marginatis; floribus sessilibus axillaribus solitariis, capsulis minimis coronatis, laciniis calycinis rotundis acuminatis. *Walt. fl. car.* 88. *glandulosa.*
L. microcarpa. *Mich. fl. amer.* 1. *p.* 88.
In swamps of Lower Carolina. *Michaux.* ♃. July. *v. s.* Flowers small; leaves acuminate, small.

10. L. erecta, ramosa, pubescens; foliis alternis lanceolato-oblongis, floribus sessilibus alternis superioribus congestis, capsulis subrotundis. *Mich. fl. amer.* 1. *p.* 90. *mollis.*
L. rudis. *Walt. fl. car.* 89.
In swamps of Lower Carolina. *Michaux.* July.

139. ALCHEMILLA. *Gen. pl.* 222. Ladies-mantle.

alpina. 1. A. foliis digitatis apice dentatis sericeis. *Willd. sp. pl.* 1. *p.* 698.
Icon. *Fl dan.* 49. *Engl. bot.* 244.
On the peaks of high mountains in Vermont and New Hampshire. ♃. June, July. *v. s.* Whether the American species is the true *A. alpina* or not, I am not able to determine, as I am at present in want of specimens to compare them; but the plate in the Flora Danica represents the American plant fully, as far as recollection can decide.

Aphanes. 2. A. foliis tripartitis, laciniis trifidis pubescentibus, floribus axillaribus glomeratis monandris. *Willd. sp. pl.* 1. *p.* 699.
Aphanes arvensis. *Linn. sp. pl.* 179.
Icon. *Engl. bot.* 1011. *Fl. dan.* 973. *Lam. illustr.* 1. *t.* 87.
In fields of Virginia. *Clayton.* ☉. May—Aug. *v. s. in Herb. Gronov.*

140. BOEHMERIA. *Gen. pl.* 1421.

cylindrica. 1. B. foliis oppositis ovato-oblongis acuminatis dentatis glabris, floribus dioicis, spicis masculis glomeratis interruptis, femineis cylindricis, caule herbaceo. *Willd. sp. pl.* 4. *p.* 340.
Urtica cylindrica. *Linn. sp. pl.* 1396. *Mich. fl. amer.* 2 *p.* 179.
Icon. *Sloan. hist. jam.* 1. *t.* 82. *f.* 2.
In shady wet places: Canada to Florida. ♃. June—Aug. *v. v.* About two feet high.

lateriflora. 2. B. foliis alternis ovato-lanceolatis acuminatis serratis scabris, floribus glomeratis lateralibus, caule herbaceo. *Willd. sp. pl.* 4. *p.* 342.
In rocky shady woods: Pensylvania to Virginia. ♃. July *v. v.* Leaves on long petioles, trinerved.

141. URTICA. *Gen. pl.* 1422. Nettle.

pumila. 1. U. foliis oppositis ovatis acuminatis trinerviis petiolis inferioribus longitudine folii, floribus triandris capitato-corymbosis petiolo l. *Willd. sp. pl.* 4. *p.* 348.

In shady woods among rocks: Canada to Carolina. ⊙. July. *v. v.* Smooth and shining; very variable in size.

2. U. foliis oppositis ellipticis subquinquenervibus argute serratis, spicis glomeratis geminatis. *Willd. sp. pl.* 4. *p.* 352. *urens.*
Icon. *Fl. dan.* 739. *Engl. bot.* 1236.
In cultivated grounds: Canada to Virginia; rare. ⊙. May—July. *v. v.* Probably introduced from Europe.

3. U. foliis oppositis cordatis ovato-lanceolatis grosse serratis, floribus dioicis, spicis paniculatis glomeratis geminatis petiolo longioribus. *Willd. sp. pl.* 4. *p.* 352. *dioica.*
Icon. *Fl. dan.* 746.
On road sides and in waste places, frequent: Canada to Carolina. ♃. June—Aug. *v. v.*

4. U. foliis oppositis cordatis ovato-lanceolatis serratis, petiolis ciliatis, floribus dioicis, spicis subramosis glomeratis geminis petiolum subæquantibus. *Willd. sp. pl.* 4. *p.* 353. *procera.*
U. gracilis. *Ait. kew.* 3. *p.* 341?
On water sides in rocky situations: Canada to Pensylvania. ♃. July, Aug. *v. v.* The specimen of *Urtica gracilis* in the Herbarium of A. B. Lambert, Esq. agrees in every respect with the present species.

5. U. foliis oppositis subsessilibus ovatis serratis subtus strigosis, glomerulis axillaribus sessilibus subglobosis reflexis, caule stimuloso. *chamædroides.*
On the islands of Georgia: St. Simon's, &c. ⊙. May. *v. s. in Herb. Lyon.* The leaves are small: the stings white and very conspicuous.

6. U. foliis alternis cordato-ovatis acuminatis serratis trinervibus petiolo duplo longioribus, glomerulis spicatis, spicis solitariis folio brevioribus, superne foliosis, caule nudo.—*Willd. sp. pl.* 4. *p.* 363. *capitata.*
In shady woods, near rocks; Canada to Carolina. ♃. June, July. *v. v.* Resembles U. *dioica.*

7. U. foliis alternis ovatis acuminatis serratis, glabriusculis, petiolis longis ciliatis, paniculis axillaribus solitariis divaricato-ramosissimis petiolo longioribus, caule stimuloso.—*Willd. sp. pl.* 4. *p.* 365? *divaricata.*
In shady woods, in rocky situations: Canada to Carolina. ♃. July, Aug. *v. v.* This species is very near to the following, but is sufficiently distinct in the

leaves being not cordate and smooth, the panicles solitary and mixed with female flowers, and the general appearance of the plant.

canadensis. 8. U. foliis alternis cordato-ovatis acuminatis serratis utrinque hispidis, paniculis axillaribus plerumque geminatis, divaricato-ramosissimis, inferioribus masculis petiolo longioribus, superioribus elongatis femineis, caule hispidissimo stimuloso.—*Willd. sp. pl.* 4. *p.* 305.
Icon. *Pluk. alm. t.* 237. *f.* 2.
Near rivulets, in rocky or sandy situations: Canada to Carolina, especially in the mountains. ♃. July, Aug. *v. v.* From five to six feet high; leaves large.

142. PARIETARIA. *Gen. pl.* 1576. Pellitory.

pensylvanica. 1. P. foliis oblongo-lanceolatis venosis opaco-punctatis, involucro triphyllo floribus longiore. *Willd. sp. pl.* 4. *p.* 955.
On moist rocks: Pensylvania, &c. ☉. June. *v. v.*; *v. s. in Herb. Nuttall.*

143. VISCUM. *Gen. pl.* 1504. Misseltoe.

flavescens. 1. V. foliis lanceolatis obtusis, spicis axillaribus aggregatis. —*Willd. sp. pl.* 4. *p.* 740?
V. album. *Walt. fl. car.* 241.
Parasitic on oaks and other trees; rare. ♄. May. *v. v.*
It is doubtful whether this is truly V. *flavescens*; but the specimens observed by me in the West Indies were exactly the same as those of North America; berries white.

144. CEPHALANTHUS. *Gen. pl.* 147. Button-wood.

occidentalis. 1. C. foliis oppositis ternisque. *Willd. sp. pl.* 1. *p.* 543.
Icon. *Schmidt arb. t.* 45. *Pluk. alm. t.* 77. *f.* 4
In deep swamps and morasses, common: Canada to Florida. ♄. July, Aug. *v. v.* Flowers white, in a round ball.

145. ELÆAGRUS. *Gen. pl.* 213. Oleaster.

argentea. 1. E. inermis, foliis oblongis utrinque acutis argenteo-lepidotis, floribus subsolitariis nutantibus.
In the extensive plains on the banks of the [illegible]. *M. Lewis* and *T. Nuttall.* ♄. July. *v*

Lewis. Missouri Silver-tree. In the collection of A. B. Lambert, Esq., are specimens from Dr. Pallas, under the name of E. *latifolius*, which approach very near to the present species; but the leaves are longer, and but slightly covered with that silvery substance on the upper surface, which in the present one is equal on both sides: besides, the flowers are generally aggregate: it is probable that both belong to the same species, different from E. *latifolius* of Linnæus, which I do not know.

146. HIPPOPHAE. *Gen. pl.* 1509. Sea Buckthorn.

1. H. foliis ovatis acutiusculis, supra glabriusculis, subtus argenteo-pilosis lepidotisque: squamis sparsis ferrugineis.—*Willd. sp. pl.* 4. *p.* 744. *canadensis.*
Near lakes and rivers: Canada to New York. ♄. May. *v. v.*

2. H. foliis ovatis obtusis utrinque glabris dense argenteo-lepidotis. *argentea.*
On the banks of the Missouri. *M. Lewis.* ♄. *v. s. in Herb. Lewis. c. fr.* This shrub resembles *Elæagrus argentea* so much, that they might easily be mistaken one for the other when without fruit; but this species bears really a berry, different from the drupa of the other genus. The flowers are according to information from Mr. Nuttall four-cleft, and resemble those of *Elæagrus* very much.

II. *DIGYNIA.*

147. PLANERA. *Mich. fl. amer.* 2. *p.* 247.

1. Planera. *Willd. sp. pl.* 4. *p.* 967. *aquatica.*
P. Gmelini. *Mich. fl. amer.* 2. *p.* 248.
Aronymos aquatica. *Walt. fl. car.* 230.
On the banks of rivers in both Carolinas. ♄. May. *v. v.*
A tree resembling an Elm in its foliage very much; the leaves are small, equal on their base and equally serrated; the flowers appear before the leaves at the end of the branches in close bunches, are small and of a greenish-brown colour.

148. HAMAMELIS. *Gen. pl.* 226. Witch-hazel.

virginica. 1. H. foliis obovatis acute dentatis sinu parvo cordatis.—*Willd. sp. pl.* 1. *p.* 701.
Icon. *Catesb. car.* 3. *t.* 2. *Duham. arb.* 1. *t.* 114.
In stony and dry situations, but frequently near water: Canada to Florida. ♄. Octob.—Feb. *v. v.* This singular shrub, which grows about ten or twelve feet high, begins to show its yellow flowers in autumn, when all others have dropt their fruit, continues to flower all winter, and forms its fruit the spring following.

macrophylla. 2. H. foliis suborbiculatis cordatis grosse obtuse-dentatis subtus scabro-punctatis.
On river sides in the western part of Georgia. *J. Lyon.* ♄. *v. s. in Herb. Lyon.* The large leaves punctated on their lower side, with rough tubercles and other marks, give sufficient reasons to consider it a distinct species: besides this, it is very probable that under *H. virginica* are two distinct species, as the northern plant seems to differ very much from the southern in its outside appearance.

149. CUSCUTA. *Gen. pl.* 227. Dodder.

americana. 1. C. floribus pedunculatis umbellatis quinquefidis. *Willd. sp. pl.* 1. *p.* 702.
Icon. *Sloan. hist.* 1. *t.* 128. *f.* 4.
Parasitic in hedges and on other plants, in moist situations. ☉. July. *v. v.* Twining round other plants; leafless; flowers in clusters; the whole plant has a reddish-yellow appearance.

150. SANGUISORBA. *Gen. pl.* 190.

canadensis. 1. S. spicis cylindricis longissimis, staminibus corolla multoties longioribus. *Willd. enum. pl. & sp. pl.* 1. *p.* 654.
Icon. *Corn. canad. t.* 174.
In wet meadows: Canada to New York. ♃. July, Aug *v. v.* Flowers in very long white spikes; leaves resembling burnet.

media. 2. S. spicis cylindricis, staminibus corolla lon
enum. pl. & sp. pl. 1. *p.* 654.
In wet meadows, principally on the mou
to Carolina. ♃. July, Aug. *v. v.* The
and tinged with red.

III. *TRIGYNIA.*

151. PACHYSANDRA. *Mich. fl. amer.* 2. *p.* 177.

1. P. caule procumbente, foliis brevibus ovalibus superne crenato-dentatis, calycibus minutim ciliatis, capsula puberula. *Mich. fl. amer.* 2. *p.* 178. *procumbens.*
Icon. *Mich. l. c. t.* 45.
In shady rocky situations on the Allegany mountains. ♃. June. *v. v.* Evergreen: flowers greenish-white.

IV. *TETRAGYNIA.*

152. ILEX. *Gen. pl.* 232. Holly.

1. I. foliis ovatis acutis spinosis glabris planis, floribus ad basin ramulorum annotinorum sparsis. *Willd. sp. pl.* 1. *p.* 708. *opaca.*
I. Aquifolium baccis rubris. *Walt. fl. car.* 241.
Icon. *Meerb. ic.* 2. *t.* 5.
In sandy woods, Canada to Carolina; particularly plenty in the state of New Jersey. ♄. May, June. *v. v.* An evergreen beautiful tree, sometimes eighty feet high and four in diameter; berries scarlet.

2. I. foliis ovatis sinuato-dentatis spinosis nitidis planis, pedunculis supra axillaribus in ramulis junioribus aggregatis laxe-ramosis. *Lam. encycl* 3. *p.* 147. *laxiflora.*
I. Aquifolium baccis flavis. *Walt. fl. car.* 241.
In shady sandy woods: Carolina. ♄. May, June. *v. v.*; *v. s. in Herb. Fraser.* An evergreen shrub of lower growth than the former species; berries yellowish-red.

3. I. foliis ovato-lanceolatis argute serratis planis, costa media subtus glabra, pedunculis lateralibus corymboso-ramosis. *Ait. kew.* 1. *p.* 170. *Cassine.*
Icon. *Catesb. car.* 1. *t.* 31.
In shady swamps: Lower Carolina to Florida. ♄. June. *v. v.* An evergreen shrub from eight to twelve feet high.

4. I. foliis lanceolato-ellipticis subintegerrimis margine reflexis, costa media subtus villosa, pedunculis lateralibus *Dahoon.*

terminalibusque corymboso-paniculatis. — *Walt. fl. car.* 241. *Mich. fl. amer.* 2. *p.* 228.

In open swamps: Carolina to Florida. ♄. May, June. *v. v.* A beautiful evergreen shrub and sometimes tree; the leaves are very coriaceous, and resemble those of *Laurus Borbonia*.

angustifolia. 5. I. foliis lineari-lanceolatis apice serratis margine reflexis, costa media subtus glabra, cymis lateralibus pedunculatis paucifloris. — *Willd. enum. pl.*

I. myrtifolia. *Walt. fl. car.* 241.

I. rosmarinifolia. *Lam. illustr.* 1. *p.* 356.

ligustrifolia. β. I. foliis latioribus omnibus integerrimis. An species distincta?

In deep swamps: Virginia to Georgia. ♄. June. *v. v.* An evergreen shrub from six to ten feet high.

vomitoria. 6. I. foliis oblongis utrinque obtusis crenato-serratis glabris umbellis lateralibus subsessilibus. *Ait. kew.* 1. *p.* 170. *Willd. sp. pl.* 1. *p.* 709.

I. Cassine. *Walt. fl. car.* 241.

Ilex ligustrina. *Jacq. collect.* 4. *p.* 105.

Cassine Peragua. *Mill. ic. t.* 83. *f.* 2.

Icon. *Jacq. ic. rar.* 2. *t.* 310. *Wendl. hort. t.* 31.

Along the sea-coast; Carolina to Florida. ♄. June, July. *v. v.* The leaves of this handsome shrub are used by the Indians to make their *Black drink*, so much in use among them, not only as a medicine, but also as a drink of etiquette on their councils, when matters of consequence are to be transacted.

prinoides. 7. I. foliis *deciduis* lanceolatis in petiolum attenuatis leviter serratis, costa media subtus villosa, pedunculis unifloris aggregatis, fertilibus solitariis. *Ait. kew.* 1. *p.* 169. *Willd. sp. pl.* 1. *p.* 709.

I. decidua. *Walt. fl. car.* 241.

On rocky shady banks of rivers: Virginia to Georgia. ♄. June, July. *v. v.* A small shrub; berries red.

canadensis. 8. I? foliis *deciduis* ovatis integerrimis seu apice rariter serratis glabris, pedunculis subsolitariis longissimis unifloris, fructu obtuse subtetragono. *Mich. fl. amer.* 2. *p.* 229.

Icon. *Mich. l. c. t.* 49.

On high mountains, near the edges of ponds, from Canada to Carolina. ♄. April, May. *v. v.* About [illegible] feet high; berries large, beautiful crimson, ornamental.

9. I? foliis *oppositis* oblongis obtusis serratis margine reflexis glabris sempervirentibus, pedunculis axillaribus brevissimis subsolitariis unifloris basi bibracteatis. *myrsinites.*

On the Rocky-mountain and near the Pacific Ocean. *M. Lewis.* ♄. July, Aug. *v. s. in Herb. Lewis.*

Frutex sempervirens, glaberrimus, 4-pedalis, ramosissimus: *rami* teretes, fusci, dense foliosi. *Folia* parva opposita, oblonga seu obovata, obtusa, superne serrata, postice integerrima, margine revoluta, vix petiolata. *Pedunculi* axillares, brevissimi, uniflori, solitarii seu terni, basi opposite bibracteati. *Flores* minuti, albi. *Cal.* 4-fidus: laciniis subrotundis, concavis. *Cor.* rotata, 4-fida: laciniis oblongis. *Filam.* 4. ad incisuras corollæ inserta? longitudine calycis. *Germen* superum, ovale. *Styl.* brevissimus, clavatus. *Stig.* 4-lobum, crassum. *Drupa* maturitate monosperma, ovata, atro-purpurea, magnitudine pisi. *Sem.* 1. ellipticum.

This very curious shrub, of which I have likewise observed a specimen in the museum of A. B. Lambert, Esq., collected by A. Menzies, deserves to be examined in the living plant. It approaches so near to *Myginda Rhacoma* of Jacquin, that at first I considered it to be the same plant. It likewise has great affinity to *Paltoria ovalis Flor. per.* 1. *p.* 44. *t.* 84. only the leaves are not opposite, but sparse and crenate, not serrated, which is the case always in the present plant. As I do not know the *Myginda Rhacoma*, it would be a curious fact if this plant, from the high cold mountains of the north, should turn out to be the same with the tropical plant. I refer it to *Ilex* at present, till further observations will decide to which genus it belongs, or whether it may not form one by itself.

153. SAGINA. *Gen. pl.* 236.

1. S. caulibus procumbentibus glabris, petalis brevissimis, *procumbens.*
Smith fl. brit. 1. *p.* 199. *Willd. sp. pl.* 1. *p.* 718.
Icon. *Engl. bot.* 880. *Pluk. alm. t.* 72. *f.* 2.
In barren sandy fields: Virginia and Carolina. *Walter and Clayton.* ⊙. May—Aug. *v. s. in Herb. Walter.*

154. POTAMOGETON. *Gen. pl.* 234.

natans? 1. P. foliis longe petiolatis natantibus sublanceolato-ovalibus, primariis nonnullis subcordatis. *Mich. fl. amer.* 1. *p.* 101.

In ponds and slow-flowing waters, common. ♃. June, July. *v. v.* Floating in the water; flowers, as all the following, in spikes axillary or sometimes terminal, small and of a greenish colour. It is doubtful whether this is not a new species, but I had no opportunity to compare it in a living or dried state with the European plant.

fluitans. 2. P. foliis inferioribus longissimis linearibus, superioribus lanceolatis nervosis coriaceis, omnibus petiolatis.—*Willd. sp. pl.* 1. *p.* 713.

P. foliis lanceolato-oblongis, petiolis longis. *Gron. fl. virg.* 139.

In ponds on the barrens of New Jersey and Carolina. ♃. July. *v. v.*

heterophyllum. 3. P. foliis superioribus petiolatis ellipticis utrinque attenuatis, inferioribus confertis sessilibus linearibus. *Willd. sp. pl.* 1. *p.* 713.

P. hybridum. *Mich. fl. amer.* 1. *p.* 101.

In slow flowing waters of Virginia and Carolina. ♃. June. *v. v.*

setaceum. 4. P. foliis superioribus oppositis lanceolatis quinquenervibus brevi-petiolatis, inferioribus alternis filiformibus, spicis densis alternis folio brevioribus.—*Willd. sp. pl.* 1. *p.* 716?

In small lakes and rivers, on the pine barrens of Jersey. ♃. July, Aug. *v. v.* The upper leaves are scarcely half an inch long; the whole plant very slender.

perfoliatum. 5. P. foliis cordato-ovatis amplexicaulibus omnibus immersis, spicis terminalibus, floribus alternis.—*Mich. fl. amer.* 1. *p.* 101. *Willd. sp. pl.* 1. *p.* 713.

Icon. *Fl. dan.* 196. *Engl. bot.* 168.

In ponds and rivers, frequent: Canada to Pensylvania. ♃. July, Aug. *v. v.* Spike of flowers only floating, brown.

lucens. 6. P. foliis lanceolatis subsessilibus, [illegible] spicis longis cylindricis. *Mich.* [illegible] *Willd. sp. pl.* 1. *p.* 714.

Icon. *Fl. dan.* 195. *Engl. bot.* 375.

In ponds and rivers on sandy soil: New Jersey to Carolina. ♃. July, Aug. *v. v.* Leaves larger than any of the other sorts; spike greenish brown.

P. foliis alternis oppositisve lanceolato-ellipticis undulatis serratis, spicis paucifloris.—*Willd. sp. pl.* 1. *p.* 714. *crispum.*
Icon. *Fl. dan.* 927. *Curt. lond.* 5. *t.* 15.
In rivers and ponds: Canada to Virginia. ♃. June, July. *v. v.* Spikes greenish red, small.

P. foliosum; foliis sessilibus angusto-linearibus planis, spicis capitatim subquadrifloris. *pauciflorum.*
P. gramineum. *Mich. fl. amer.* 1. *p.* 102.
In rivers near the sea-coast of Lower Carolina. ♃.

P. foliis prælongo-setaceis approximatis distichis basi vaginantibus, spicis terminalibus interruptis verticillatis, fructibus ovatis turgidis.—*Smith fl. brit.* 1. *p.* 197. *pectinatum.*
P. marinum. *Mich. fl. amer.* 1. *p.* 102.
In ponds and slow-flowing waters: Canada to Pensylvania. ♃. July. *v. v.* Only the spikes appear above water; flowers seldom.

155. RUPPIA. *Gen. pl.* 235.

Ruppia. *Willd. sp. pl.* 1. *p.* 717. *maritima.*
Icon. *Engl. bot.* 136. *Mich. gen.* 35. *Fl. dan.* 364.
On the mouth of most rivers in North America. ♃. *v. v.*

V. PENTANDRIA.

I. MONOGYNIA.

* *Flores monopetali, inferi, tetraspermi.* Asperifoliæ.

156. ECHIUM. *Cor.* fauce nuda, irregularis, campanulata.
157. HELIOTROPIUM. *Cor.* fauce nuda, hypocrateriformis, lobis dente interjectis.
158. PULMONARIA. *Cor.* fauce nuda, infundibuliformis *Cal.* prismaticus.
159. LITHOSPERMUM. *Cor.* fauce nuda, infundibuliformis. *Cal.* 5-partitus.
160. BATSCHIA. *Cor.* fauce nuda, hypocrateriformis intus basi annulo barbato cinctus: laciniis rotundatis *Cal.* 5-fidus.
161. ONOSMODIUM. *Cor.* fauce nuda, subcampanulata limbo ventricoso; laciniis conniventibus acutis *Anth.* sessiles inclusæ. *Cal.* 5-partitus.
162. LYCOPSIS. *Cor.* fauce fornicata, infundibuliformis, tubo curvato.
163. CYNOGLOSSUM. *Cor.* fauce fornicata, infundibuliformis. *Sem.* depressa, latere affixa.
164. MYOSOTIS. *Cor.* fauce fornicata, hypocrateriformis, lobis emarginatis.

* *Flores monopetali, inferi, angiospermi.*

165. HYDROPHYLLUM. *Caps.* 1-locularis, 2-valvis. *Cor.* campanulata, interne striis 5. melliferis longitudinalibus. *Stigm.* 2-fidum.
166. ANAGALLIS. *Caps.* 1-locularis, circumscissa. *Cor.* rotata. *Stigm.* capitatum.
167. LYSIMACHIA. *Caps.* 1-locularis, 10-valvis. *Cor.* rotata. *Stigm.* obtusum.
168. DODECATHEON. *Caps.* 1-locularis, oblonga. *Cor.*

rotata, reflexa. *Stam.* tubo insidentia. *Stigm.* obtusum.

169. PRIMULA. *Caps.* 1-locularis. *Cor.* tubus cylindricus, ore patulo. *Stigm.* globosum. *Involucr.* umbellulæ.

170. ANDROSACE. *Caps.* 1-locularis. *Cor.* hypocrateriformis, fauce coarctata. *Stigm.* globosum.

171. SABBATIA. *Caps.* 1-locularis. *Cor.* tubo urceolato, limbo 5—12-partito. *Stigm.* 2-partitum: laciniis spiralibus. *Anth* demum revoluta.

172. HOTTONIA. *Caps.* 1-locularis. *Cor.* hypocrateriformis. *Stam.* tubo corollæ imposita. *Stigm.* globosum.

173. MENYANTHES. *Caps.* 1-locularis, 2-valvis. *Cor.* rotata: laciniis disco longitudinaliter barbatis, margine planis. *Stigm.* 2-fidum.

174. VILLARSIA. *Caps.* 1-locularis, evalvis. *Cor.* rotata: laciniis basi barbatis, margine inflexis. *Stigm.* 2-lobum. *Glandulæ* 5. staminibus alternæ.

175. SPIGELIA. *Caps.* 2-locularis, didyma. *Cor.* infundibuliformis. *Stigm.* simplex.

176. OPHIORRHIZA. *Caps.* 2-locularis, 2-partita. *Cor.* infundibuliformis. *Stigm.* 2-fidum.

177. PHACELIA. *Caps.* 2-locularis, 4-sperma. *Cor.* sub-campanulata. *Stam.* exerta. *Styl.* brevis.

178. ELLISIA. *Caps.* 2-locularis, 2-valvis: loculi 2-spermi, semine uno supra alterum. *Cor.* infundibuliformis, angusta. *Stam.* inclusa. *Stigm.* 2-fidum. *Cal.* persistens.

179. DATURA. *Caps.* 2-locularis, 4-valvis. *Cor.* infundibuliformis. *Cal.* deciduus.

180. HYOSCYAMUS. *Caps.* 2-locularis, operculata. *Cor.* infundibuliformis, irregularis. *Stam.* inclinata. *Stigm.* capitatum.

181. NICOTIANA. *Caps.* 2-locularis, 2-valvis. *Cor.* infundibuliformis, limbo plicato. *Stam.* inclinata. *Stigm.* emarginatum.

182. VERBASCUM. *Caps.* 2-locularis. *Cor.* rotata, inæqualis. *Fil.* barbata. *Stigm.* obtusum.

183. CALYSTEGIA. *Caps.* semibilocularis, sub-4-sperma. *Cor.* campanulata, 5-plicata. *Stigm.* 2. globosa. *Cal.* basi bibracteatus.

184. CONVOLVULUS. *Caps.* 2—3-locularis. *Cor.* campanulata, 5-plicata. *Stigm.* 2. filiformia. *Cal.* nudus aut bibracteatus.

185. IPOMŒA. *Caps.* 2–3-locularis. *Cor.* infundibuliformis, 5-plicata. *Stigm.* capitatum, 2–3-lobum. *Cal.* nudus.

186. CANTUA. *Caps.* 3-locularis. 3-valvis. *Cor.* infundibuliformis. *Stigm.* 3-fidum. *Sem.* alata.

187. DIAPENSIA. *Caps.* 3-locularis, 3-valvis, polysperma. *Cor* hypocrateriformis: tubo brevi. *Cal.* 5-partitus, basi bracteatus. *Styl.* brevis. *Stigm.* 3-lobum.

188. PHLOX. *Caps.* 3-locularis, 1-sperma. *Cor.* hypocrateriformis. *Fil.* inæqualia. *Stigm.* 3-fidum. *Cal.* prismaticus.

189. POLEMONIUM. *Caps.* 3-locularis. *Cor.* 5-partita, fundo clausa valvis staminiferis. *Stigm.* 3-fidum.

190. AZALEA. *Caps.* 5-locularis. *Cor.* infundibuliformis aut campanulata. *Stam.* receptaculo inserta. *Stigm.* obtusum.

191. BUMELIA. *Drupa* 1-sperma. *Cor.* hypocrateriformis limbo dentibus interjecto. *Nect.* 5-phyllum.

192. SOLANUM. *Bacca* 2-locularis. *Cor.* rotata, plicata. *Antheræ* biperforatæ, subcoalitæ. *Cal.* persistens.

193. PHYSALIS. *Bacca* 2-locularis intra calycem inflatum. *Cor.* campanulato-rotata. *Antheræ* approximatæ.

194. NICANDRA. *Bacca* 3—5-locularis, exsucca. *Cor.* campanulata. *Stam.* incurva. *Cal.* 5-angulatus: laciniis sagittatis.

* *Flores monopetali, superi.*

195. SAMOLUS. *Caps.* 1-locularis, apice 5-valvis. *Cor.* hypocrateriformis. *Stigm.* capitatum.

196. PINÆA. *Caps.* 2-locularis: valvis medio septiferis. *Cor.* tubulosa. *Cal.* laciniis 1–2. bracteæformibus. *Fil* basi tubi inserta. *Sem.* alata.

197. CAMPANULA. *Caps.* 2—5-locularis, poris lateralibus dehiscens. *Cor.* campanulata, fundo clauso valvis staminiferis. *Stigm.* 3—5-fidum.

198. CHIOCOCCA. *Bacca* 2-sperma, didyma. *Cor.* infundibuliformis. *Stigm.* simplex.

199. CAPRIFOLIUM. *Bacca* 3-locularis, polysperma, distincta. *Cor.* tubulosa, longa, 5-fida. *Cal.* 5-dentatus.

200. XYLOSTEUM. *Baccæ* duæ basi connatæ, 2-locu-

lares, polyspermæ. *Cor.* infundibuliformis, subæqualis. *Cal.* 5-dentatus.

201. SYMPHORIA. *Bacca* 4 locularis, 4-sperma, coronata, loculis interdum 2. abortivis. *Cor.* tubulosa, brevis, 5-fida, subæqualis. *Cal.* 4-dentatus.

202. DIERVILLA. *Caps.* 4-locularis, oblonga, polysperma. *Cor.* infundibuliformis, 5-fida, patens. *Cal.* oblongus, 5-fidus.

203. TRIOSTEUM. *Bacca* 3-locularis, 3-sperma. *Cor.* calyce vix longior, tubulosa. *Cal.* 5-fidus. *Stigm.* oblongum.

* *Flores pentapetali, superi.*

204. RIBES. *Bacca* polysperma. *Cal.* corollifer. *Styl.* bifidus.

* *Flores pentapetali, inferi.*

205. RHAMNUS. *Bacca* 3–4-sperma. *Cal.* tubulosus, corollifer. *Pet.* oris 5, convergentia. *Dioicus.*

206. CEANOTHUS. *Bacca* 3-cocca, sicca. *Cal.* tubulosus, corollifer. *Petala* fornicata.

207. CELASTRUS. *Caps.* 3-cocca, 3-locularis. *Sem.* calyptrata. *Cor.* 5-petala, patens.

208. EVONYMUS. *Caps.* 5-gona, 5-valvis, colorata. *Sem.* calyptrata. *Cor.* 5-petala, plana.

209. VITIS. *Bacca* 5-sperma. *Petala* apice cohærentia, emarcida. *Styl.* 0. *Dioica.*

210. CISSUS. *Bacca* 2-locularis, 1–4-sperma. *Petala* reflexo-patula, decidua. *Nectar.* discus germen cingens.

211. CYRILLA. *Bacca* 2-locularis, 2-sperma, exsiccabilis. *Petala* 5. stellatim patentia. *Cal.* minimus subturbinatus. *Stylus* 2-fidus.

212. ITEA. *Caps.* 2-locularis, 2-valvis: valvis margine introrsum seminiferis. *Petala* 5. reflexo-patentia. *Cal.* 5-fidus, campanulatus. *Stigm.* capitatum, 2-lobum.

213. IMPATIENS. *Caps.* 1-locularis, 5-valvis. *Cor.* irregularis, calcarata. *Cal.* 2-phyllus. *Anther.* cohærentes.

214. VIOLA. *Caps.* 1-locularis, 3-valvis. *Cor.* irregularis, calcarata. *Cal.* 5-phyllus. *Anther.* cohærentes.

215. CLAYTONIA. *Caps.* 1-locularis, 3-valvis. *Cal.* 2-valvis. *Stigm.* 3-fidum.

* *Flores incompleti.*

216. GLAUX. *Cal.* inferus, 1-phyllus, coloratus, 5-lobus. *Caps.* 1-locularis, 5-valvis, 5-sperma, calyce cincta.

217. ANYCHIA. *Cal.* inferus, connivens, 5-partitus: laciniis oblongis, apice subsaccatis. *Stigm.* 2. *Utriculus* 1-spermus.

218. THESIUM. *Cal.* superus, staminifer. *Sem.* 1. coronatum.

219. NYSSA. *Cal.* superus, 5-partitus. *Drupa.* *Mas. Stam.* 10. *Polygama.*

220. HAMILTONIA. *Cal.* superus, 5-fidus. *Nect.* discus 5-dentatus. *Drupa.* *Dioica.*

II. DIGYNIA.

* *Flores monopetali, inferi.*

221. ECHITES. *Folliculi* 2. longi, recti. *Sem.* papposa. *Cor.* infundibuliformis, fauce nuda. *Anther.* connivентes in conum.

222. GONOLOBUS. *Folliculi* 2. utplurimum costati seu angulati. *Sem.* papposa. *Cor.* rotata, profunde 5-partita. *Appendix* brevissima, inclusa. *Styl.* discoideo 5-gonus.

223. APOCYNUM. *Folliculi* 2. longi, lineares. *Sem.* papposa. *Cor.* campanulata. *Filamenta* 5. cum staminibus alterna. *Styl.* subnullus. *Stigm.* latum.

224. ASCLEPIAS. *Folliculi* 2. *Sem.* papposa. *Cor.* rotata, plerumque reflexa. *Nectar* 5. ovata, concava, corniculum exserentia. *Anther.* corneæ, longitudinaliter dehiscentes.

225. AMSONIA. *Folliculi* 2. *Sem.* nuda, teretia, oblique truncata. *Cor.* infundibuliformis fauce clausa.

226. GELSEMINUM. *Caps.* 2-locularis, 2-valvis, compresso-plana. *Sem.* plana, valvularum marginibus annexa. *Cor.* infundibuliformis, limbo patente, subæquali. *Cal.* 5-dentatus.

227. GENTIANA. *Caps.* 1-locularis, 2-valvis. *Receptaculis* 2. longitudinalibus. *Cor.* 1-petala, indeterminata.

228. HYDROLEA. *Caps.* 2-locularis, 2-valvis. *Cor.* rotata. *Filam.* basi cordata. *Stigm.* capitato-peltata. *Cal.* 5-phyllus.

229. DICHONDRA. *Caps.* subcompressa, didyma, 2-locularis: loculis 1-spermis. *Cor.* brevi-campanulata. *Stigm.* peltato-capitata. *Cal.* 5-partitus: laciniis subspathulatis.

230. EVOLVULUS. *Caps.* 1-locularis, 4-valvis, 1-sperma. *Cor.* rotato-campanulata. *Styli* 2, profunde 2-fidi: laciniis capillaribus, divergentibus. *Stigm.* simplicia.

* *Flores pentapetali, inferi.*

231. HEUCHERA. *Caps.* 2-locularis, 2-rostris. *Pet.* 5, calyci inserta.

232. ZIZYPHUS. *Drupa* nuce 2-loculari. *Discus* carnosus, orbicularis, pistillum ambiens. *Cal.* tubulosus, corollifer. *Dioicus.*

* *Flores pentapetali, superi dispermi.* Umbellatæ.

233. ERYNGIUM. *Flores* capitati. *Recep.* paleaceum. *Involl.* polyphyllum. *Cal.* proprius 5-phyllus, superus.

234. HYDROCOTYLE. *Umbella* simplex. *Involl.* 4-phyllum. *Pet.* integra. *Sem.* semiorbiculato-compressa.

235. PANAX. *Umbella* simplex. *Bacca* cordata, 2-sperma. *Polygama.*

236. SANICULA. *Umbellæ* confertæ, subcapitatæ. *Fructus* aculeatus. *Flores* disci abortientes.

237. DAUCUS. *Corollæ* subradiatæ. *Flosculi* disci abortivi. *Fructus* pilis hispidus. *Umbella* fructus contracta, infundibuliformis. *Involucra* pinnatifida.

238. AMMI. *Corollæ* radiatæ: omnes hermaphroditæ. *Fructus* lævis. *Umbella* laxa. *Involucra* pinnatifida.

239. SELINUM. *Fructus* ovali-oblongus, compresso-planus, in medio striatus. *Involl.* reflexum. *Pet.* cordata, æqualia. *Cal.* integer.

240. FERULA. *Involl.* universale caducum: partiale polyphyllum. *Fructus* ovalis, compresso-planus, striis utrinque 3.

241. HERACLEUM. *Fructus* ellipticus, emarginatus, compressus, striatus, marginatus. *Cor.* difformis, inflexo-emarginata. *Involl.* caducum.

242. LIGUSTICUM. *Fructus* oblongus, 5-sulcatus utrinque. *Corollæ* æquales. *Pet.* involuta, integra. *Cal.* 5-dentatus.

243. ANGELICA. *Fructus* subrotundus, solidus, utrinque 3-alatus, stylis reflexis. *Corollæ* æquales: petalis incurvis.

244. SIUM. *Fructus* subovatus, compresssus, striatus. *Invol.* polyphyllum. *Pet.* cordata.

245. ŒNANTHE. *Flosculi* difformes: in disco sessiles, steriles. *Fructus* striatus, retusus, suberoso-corticatus, coronatus calyce et pistillo. *Umbellæ* globosæ.

246. PHELLANDRIUM. *Flosculi* disci minores. *Fructus* ovatus, lævis, coronatus calyce et pistillo.

247. CICUTA. *Fructus* subovatus, sulcatus. *Invol.* 0: partiale 3—5-phyllum.

248. CONIUM. *Fructus* subglobosus, 5-striatus, utrinque crenatus. *Involucella* dimidiata, subtriphylla.

249. CHÆROPHYLLUM. *Invol.* reflexum, concavum. *Pet.* inflexo-cordata. *Fructus* oblongus, lævis, aut striatus, glaberrimus.

250. PASTINACA. *Fructus* ellipticus, compresso-planus. *Pet.* involuta, integra.

251. SMYRNIUM. *Fructus* subcompressus, gibbosus, striatus. *Pet.* acuminata, carinata.

252. SESELI. *Umbellæ* globosæ. *Invol.* foliolo uno alterove. *Fructus* ovatus, striatus.

* *Flores incompleti.*

253. SALSOLA. *Sem.* 1. cochleatum, tectum. *Cal.* 5-phyllus.

254. CHENOPODIUM. *Sem.* 1. lenticulare, superum. *Cal.* 5-phyllus, 5-gonus.

255. ATRIPLEX. *Sem.* 1. compressum seu depressum. *Cal.* 5-phyllus. *Flor.* feminei intermixti: quibus *Cal.* 2-phyllus. *Polygama.*

256. CANNABIS. *Nux* 2-valvis, intra calycem clausum. *Mas. Cal.* 5-partitus. *Fem. Cal.* 5-phyllus, integer, latere hians. *Dioica.*

257. HUMULUS. *Sem.* 1. intra calycem foliatum (in strobilum). *Mas. Cal.* 5-phyllus. *Fem. Cal.* 1-phyllus, oblique patens, integer. *Dioica.*

258. ULMUS. *Samara* compressa, membranaceo-alata. *Cal.* campanulatus, 5-fidus, marcescens.

259. CELTIS. *Drupa* 1-sperma. *Cal.* 5-6-partitus. *Stam.* 5—6. *Styl.* divaricati, crassiusculi. *Polygama.*

III. TRIGYNIA.

260. VIBURNUM. *Cal.* superus, 5-partitus. *Cor.* 5-fida. *Drupa* 1-sperma.

261. SAMBUCUS. *Cal.* superus, 5-partitus. *Cor.* 5-fida. *Bacca* 3-sperma.

262. RHUS. *Cal.* inferus, 5-partitus. *Pet.* 5. *Bacca* 1-sperma.

263. STAPHYLEA. *Cal.* inferus, 5-partitus. *Pet.* 5. *Caps.* inflatæ, connatæ. *Nuces* 2. globosæ cum cicatrice.

264. TURNERA. *Cal.* inferus, 5-fidus, infundibuliformis. *Pet.* 5. calyce inserta. *Stigmata* multifida. *Caps.* 1-locularis, 3-valvis.

265. CROTONOPSIS. *Cal.* inferus, 5-partitus. *Pet.* 5. *Stigmata* bifida. *Caps.* 1-sperma, non debiscens. *Monoica.*

266. KOCHIA. *Cal.* inferus, 5-fidus. *Cor.* 0. *Stigm.* simplicia. *Sem.* 1. orbiculatum, calyce persistente cinctum.

267. AMARANTHUS. *Cal.* 3—5-phyllus. *Cor.* 0. *Stam.* 3—5. *Caps.* 1-locularis, 1-sperma, circumscissa. *Monoicus.*

268. ACNIDA. *Cal.* 3—5-partitus. *Cor.* 0. *Stigm.* sessilia. *Caps.* 1-sperma. *Dioica.*

IV. TETRAGYNIA.

269. PARNASSIA. *Cal.* 5-partitus. *Pet.* 5. *Nectar.* 5. cordata, ciliata, apicibus globosis. *Caps.* 2-locularis, 4-valvis.

V. PENTAGYNIA.

270. ARALIA. *Cal.* superus, 5-dentatus. *Pet.* 5. *Bacca* coronata, 5-sperma. *Involucr.* umbellulæ.

271. ZANTHOXYLUM. *Cal.* inferus, 5-partitus. *Cor.* 0. *Caps.* 3—5. 1-spermæ. *Dioicum.*

272. LINUM. *Cal.* inferus, 5-phyllus. *Pet.* 5. *Fil.* basi coalita. *Caps.* 10-locularis, 5-valvis. *Sem.* solitaria.

273. DROSERA. *Cal.* inferus, 5-fidus. *Pet.* 5. *Caps.* 1-locularis, apice 3—5-valvis. *Sem.* plurima.

274. SIBBALDIA. *Cal.* inferus, 10-fidus. *Pet.* 5. calyci inserta. *Styli* e latere germinis. *Sem.* 5.

275. STATICE. *Cal.* inferus, 1-phyllus, tubulosus, plicatus, 10-dentatus. *Cor.* 1-petala, hypocrateriformis, 5-fida. *Caps.* 1-locularis, basi 5-valvis. *Sem.* 1. teres.

VI. POLYGYNIA.

276. ZANTHORHIZA. *Cal.* 0. *Pet.* 5. *Nectar.* 5. pedicellata. *Caps.* 1-sperma.

277. SCHISANDRA. *Cal.* triplici serie 9-phyllus. *Cor.* 0. *Anther.* subsessiles, apice cohærentes. *Baccæ* numerosæ, 1-spermæ, receptaculo filiformi elongato insertæ. *Monoica.*

I. *MONOGYNIA.*

156. ECHIUM. *Gen. pl.* 267.

vulgare. 1. E. caule tuberculato-hispido, foliis caulinis lanceolatis hispidis, floribus spicatis lateralibus. *Willd. sp. pl.* 1. *p.* 787.
Icon. *Fl. dan.* 445. *Lam. illustr.* 94. *f.* 1.
On dry slate-hills: New York to Virginia, rare. Introduced from Europe? ♂. July—Sept. *v. v.*

157. HELIOTROPIUM. *Gen. pl.* 239.

indicum. 1. H. foliis cordato-ovatis acutis scabriusculis, spicis solitariis, fructibus bifidis. *Willd. sp. pl.* 1. *p.* 740.
Icon. *Pluk. phyt. t.* 295. *f.* 4.
On road sides: Virginia to Carolina, rare. ☉. June—Aug. *v. v.*

158. PULMONARIA. *Gen. pl.* 244.

virginica. 1. P. glabra, erecta; foliis lanceolato-ovatis obtusiusculis, floribus fasciculato-terminalibus, corollis calyce multo longioribus.—*Willd. sp. pl.* 1. *p.* 769.
Icon. *Mill. ic.* 212. *Bot. mag.* 160.

On gravelly shores of rivers: Pensylvania to Carolina. ♃. March—May. *v. v.* Flowers beautiful blue.

2. P. subhirsuta, erecta; foliis ovato-oblongis acuminatis, floribus paniculatis, calycibus abbreviatis quinquepartitis.—*Willd. sp. pl.* 1. *p.* 769. *paniculata.*

On Hudson's Bay. *Aiton.* May, June. +. Flowers blue or white.

3. P. glaberrima, procumbens; foliis ovali-spathulatis abrupte acuminatis carnosis, pedunculis lateralibus unifloris, corollis calyce vix duplo longioribus.—*Mich. fl. amer.* 1. *p.* 131. *parviflora.*

P. maritima? *Willd. sp. pl.* 1. *p.* 770.

On the sea shore of New England and Canada. ♃. July. *v. s.* Flowers blue.

159. LITHOSPERMUM. *Gen. pl.* 241.

1. L. seminibus rugosis, corollis vix calycem superantibus, foliis obtusis aveniis. *Smith fl. brit.* 1. *p.* 213. *Willd. sp. pl.* 1. *p.* 751. *arvense.*

Icon. *Engl. bot. t.* 123. *Fl. dan.* 456.

In waste fields, on dry ground: frequent in Pensylvania, probably introduced from Europe. ⊙. May—July. *v. v.* Flowers pale white; seeds rough, brownish.

2. L. seminibus turgide ovatis lucidis undique cavo-punctatis, calycibus fructiferis patulis corollam superantibus, foliis ovato-oblongis nervosis.—*Mich. fl. amer.* 1. *p.* 131. *latifolium.*

In shady woods: Virginia to Kentuky. ♃. June, July. *v. v.* Flowers pale yellow.

3. L. seminibus turgide ovatis nitidis undique cavo-punctatis, floribus passim lateralibus, foliis linearibus adpresso-pubescentibus, caule procumbente.—*Mich. fl. amer.* 1. *p.* 130. *angustifolium.*

In shady woods: on the river Ohio. *Michaux.* ⊙. July, Aug. *v. s.* Flowers white.

4. L. seminibus muricatis, spicis terminalibus secundis, bracteis lanceolatis, foliis lineari-lanceolatis acutis. *Willd. sp. pl.* 1. *p.* 752. *apulum.*

Icon. *Col. ecphr.* 1. *t.* 192.

In dry woods: Virginia, Ohio and Mississippi. ⊙. May—Aug. *v. v.* Flowers yellow, very small.

160. BATSCHIA. *Mich. fl. amer.* 1. *p.* 129.

Gmelini. 1. B. hirsuta; foliis floralibus ovatis, calycibus longis sublanceolatis.—*Mich. fl. amer.* 1. *p.* 130.
Anonymos caroliniensis. *Walt. fl. car. p.* 91.
In dry sunny woods of Lower Carolina. ♃. May—July. *v. s. in Herb. Lyon.* Flowers pale yellow.

canescens. 2. B. candicanti-villosa; foliis omnibus oblongis, calycibus brevissimis, laciniis corollæ integris.—*Mich. fl. amer.* 1. *p.* 130.
Anchusa floribus sparsis, caule glabro. *Gron. fl. virg. p.* 24.
Icon. *Mich. fl. amer.* 1. *t.* 14.
On dry sunny hills, in sandy soil: Virginia, Tennassee, &c. ♃. June, July. *v. v.* Flowers of a deep golden yellow; the root is covered with a red substance, which is the true *Puccoon* of the Indians, and paints a beautiful red.

longiflora. 3. B. sericeo-villosa; foliis linearibus, calycibus longis linearibus, laciniis corollæ crenato-incisis, tubo elongato.
On the banks of the Missouri. *Nuttall.* ♃. July. *v. s. in Herb. Nuttall.* Flowers yellow.

161. ONOSMODIUM. *Mich. fl. amer.* 1. *p.* 132.

hispidum. 1. O. hispidum; foliis obovali-lanceolatis acutis papilloso-punctatis, laciniis corollæ subulatis.—*Mich. fl. amer.* 1. *p.* 133.
Lithospermum virginianum. *Willd. sp. pl.* 1. *p.* 752.
On dry lime-stone hills: New York to Carolina. ♃. July, Aug. *v. v.* Flowers yellowish-white, similar to those of *Symphytum.*

molle. 2. O. candicanti-villosum; foliis oblongo-ovalibus subtriplinerviis, laciniis corollæ subovalibus.—*Mich. fl. amer.* 1. *p.* 133.
Lithospermum carolinianum. *Lam. illustr.* 1. *p.* 397.
Icon. *Mich. l. c. t.* 15.
In the western countries from Pensylvania to Tennassee. ♃. June—Aug. *v. v.* Flowers white.

162. LYCOPSIS. *Gen. pl.* 250.

arvensis. 1. L. hispida; foliis lanceolatis repando-dentatis, racemis geminis, floribus sessilibus.—*Willd. sp. pl.* 1. *p.* 780.

Icon. *Fl. dan.* 435. *Engl. bot.* 938. *Lam. illustr. t.* 97.
In fields: Pensylvania to Virginia. Probably introduced.
⊙. June, July. *v. v.* Flowers blue.

2. L. pusilla, hispidissima; foliis inferioribus spathulatis, superioribus lineari-oblongis integerrimis, racemis solitariis, floribus pedunculatis.—*Willd. sp. pl.* 1. *p.* 781. *virginica.*
In dry woods and on road sides: Pensylvania to Virginia.
⊙. May—July. *v. v.* Flowers white, very small.

163. CYNOGLOSSUM. *Gen. pl.* 243.

1. C. mollissime pubescens; foliis lato-lanceolatis sessilibus, racemis paniculatis.—*Willd. sp. pl.* 1. *p.* 760. *officinale.*
Icon. *Curt. lond.* 4. *t* 16. *Bot. mag.*
In dry woods, in the lime-stone countries, frequent. ♂. June, July. *v. v.* Flowers brownish-red.

2. C. nudiusculum; foliis spathulato-lanceolatis lucidis subtus scabris, racemis sparsis. *Smith fl. brit.* 1. *p.* 216. *sylvaticum.*
C. virginicum. *Willd. sp. pl.* 1. *p.* 760.
Icon. *Engl. bot.* 1642.
In similar situations in Virginia. ♂. June, July. *v. v.* Flowers blueish-brown.

3. C. hirsutissimum; foliis ovali-oblongis, superioribus amplexicaulibus, corymbo terminali aphyllo longe pedunculato. *Mich. fl. amer.* 1. *p.* 132. *amplexicaule.*
C. foliis amplexicaulibus. *Gron. fl. virg. p.* 24.
C. virginicum. *Linn. sp. pl.* 134.
In shady moist woods: Pensylvania to Virginia. ♃. May—July. *v. v.* Flowers beautiful blue and white. Willdenow's C. *virginicum* is certainly not the plant alluded to by Linnæus in his *Species Plantarum*, by which he refers to Clayton's plant, which evidently is the present species.

164. MYOSOTIS. *Gen. pl.* 240.

1. M. perennis; seminibus lævibus, calycibus subovalibus glabris tubo corollæ fere longitudine, caule subramoso, foliis lanceolatis. *Roth. germ.* i. 87. ii. 221. *palustris.*
M. scorpioides. *Willd. sp. pl.* 1. *p.* 746.
Icon. *Fl. dan.* 583.
In rivulets and ditches, frequent. ♃. May—Sept. *v. v.*

2. M. annua; seminibus lævibus, calycibus ovalibus acuminatis hirsutissimis tubo corollæ longioribus, caule ra- *arvensis.*

mosissimo, racemis conjugatis, foliis ovato-lanceolatis, *Willd. sp. pl.* 1. *p.* 747.

In fields and shady woods: New York, Pensylvania, &c ☉. June, July. *v. v.* Flowers pale blue, very small.

virginiana. 3. M. pilosum; seminibus aculeato-glochidibus, foliis ovato-lanceolatis acuminatis, racemis divaricatis.—*Willd. sp. pl.* 1. *p.* 748.

In dry open woods: Virginia, Carolina, &c. ☉. June, July. *v. v.* Flowers small, palé blue; leaves large.

Lappula. 4. M. hispidum; seminibus aculeis glochidibus, foliis lineari-oblongis, caule stricte ramosissimo.—*Willd. sp. pl.* 1. *p.* 749.

On way sides and among rubbish: Canada to Virginia. ☉. May—Aug. *v. v.* Flowers blue.

165. HYDROPHYLLUM. *Gen. pl.* 267.

appendiculatum. 1. H. hirsutissimum; foliis radicalibus subpinnatifidis, caulinis subiobato-angulosis, calycis sinubus appendiculatis, fasciculis florum subpaniculatis.—*Mich. fl. amer.* 1. *p.* 134.

On shady rocks, near springs: Virginia, near Harper's Ferry, Tennassee, &c. ♃. May. *v. v.* Flowers pale blue; the calyx extremely hispid, and almost the length of the corolla.

virginicum. 2. H. glabriusculum; foliis pinnatifidis pinnatisque, laciniis ovali lanceolatis inciso-serratis, fasciculis florum conglomeratis.—*Willd. sp. pl.* 1. *p.* 814.

Icon. *Lam. illustr. t.* 97. *f.* 1.

In shady rocky situations: Canada to Carolina. ♃. May, June. *v. v.* Flowers beautiful blue.

canadense. 3. H. hirsutum; foliis lobato-angulosis, fasciculis florum confertis.—*Willd. sp. pl.* 1. *p.* 815.

Icon. *Lam. illustr. t.* 97. *f.* 2.

On wet rocks and shady mountains: Canada to Pensylvania. ♃. June, July. *v. v.* Flowers white, shaded with purple.

lineare. 4. H. pilosum; foliis linearibus, racemis elongatis.

On the banks of the Missouri. *M. Lewis* ♃. April *v. s. in Herb. Lewis.*

166. ANAGALLIS. *Gen. pl.* 270.

1. A. foliis ovatis subtus punctatis, caule procumbente. *arvensis.*
Smith fl. brit. 1. *p.* 230. *Willd. sp. pl.* 1. *p.* 821.
Icon. *Engl. bot.* 529. *Fl. dan.* 88.
In cultivated grounds: Pensylvania to Virginia; introduced from Europe? ☉. June, July. *v. v.* Flowers red.

167. LYSIMACHIA. *Gen. pl.* 269.

1. L. glaberrima, ramulosa; foliis oppositis verticillatisque longo-linearibus punctatis, racemo terminali brevi, laciniis corollæ oblongis.—*Mich. fl. amer.* 1. *p.* 128. *angustifolia.*
In Lower Carolina. *Michaux.* ♃. +. Flowers yellow, as the other species, very small.

2. L. glaberrima, elata; foliis ovali-lanceolatis oppositis punctatis, racemo terminali longissimo laxo, laciniis corollæ oblongo-ovalibus.—*Mich. fl. amer.* 1. *p.* 128. *racemosa.*
L. vulgaris. *Walt. fl. car. p.* 92.
L. stricta. *Ait. kew.* 1. *p.* 199.
L. bulbifera. *Bot. mag.* 104.
Icon. *Bot. mag.* 104. *Pluk. alm. t.* 428. *f.* 4.
In wet meadows, on the side of ditches: Canada to Virginia. ♃. July, Aug. *v. v.* This species is frequently found viviparous, having oblong bulbs in the axillæ of the leaves; but this is not a general case.

3. L. glabra; caule simplicissimo punctato, foliis oppositis sessilibus late-lanceolatis acutis punctatis, pedunculis lateralibus elongatis, floribus capitatis congestis. *capitata.*
L. thyrsiflora? *Mich. fl. amer.* 1. *p.* 127.
In salt-marshes, near New York. ♃. June, July. *v. v.* Though nearly approaching to L. *thyrsiflora*, it is certainly a distinct species.

4. L. puberula; foliis subsessilibus quaternis quinisque ovalibus acuminatis punctatis, pedunculis quaternis unifloris, corollæ laciniis ovalibus integris.—*Willd. sp. pl.* 1. *p.* 818. *quadrifolia.*
L. punctata. *Walt. fl. car. p.* 92.
Icon. *Pluk. alm. t.* 428. *f.* 4. *Lam. illustr. t.* 101. *f.* 2.
In dry woods: Canada to Carolina. ♃. June, July. *v. v.* It varies sometimes with smooth leaves and verticillated flowers.

5. L. glaberrima, ramosissima; foliis oppositis sessilibus li- *longifolia.*

nearibus longissimis: superioribus quaternis, pedunculis quaternis unifloris, corollæ laciniis ovatis acuminatis serrulatis.

L. quadriflora. *Bot. mag.* 660.

In wet woods, near ponds: Pensylvania to Virginia. ♃. June—Aug. *v. v.* A handsome plant, with showy flowers.

heterophylla. 6. L. glabra, gracilis; foliis oppositis linearibus sessilibus, basi ciliatis, imis suborbiculatis brevi-petiolatis, floribus cernuis. *Mich. fl. amer.* 1. *p.* 127.

Icon. *Pluk. alm. t.* 333. *f.* 1.

In wet meadows: Virginia to Georgia; rare. ♃. July. *v. v.* Flowers resembling those of L. *ciliata.*

hybrida. 7. L. glabra; foliis oppositis petiolatis lanceolatis utrinque acutis, petiolis ciliatis, floribus cernuis, corollis calyce brevioribus: laciniis crenulatis.—*Mich. fl. amer.* 1. *p.* 126.

L. ciliata. *Walt. fl. car. p.* 92.

L. angustifolia. *Lam. illustr.* 1. *p.* 440.

On banks of rivers, where the tide overflows: Pensylvania to Carolina; rare. ♃. June—Aug. *v. v.*

ciliata. 8. L. subpubescens; foliis oppositis longè petiolatis, subcordato-ovalibus margine pubescentibus, petiolis ciliatis, pedicellis subgeminis, floribus cernuis, corollæ laciniis rotundatis, acuminatis crenatis.—*Mich. fl. amer.* 1. *p.* 126.

Icon. *Walth. hort. t.* 12.

In shady woods, in rich soil. ♃. June—Aug. *v. v.*

168. DODECATHEON. *Gen. pl.* 261.

Meadia. 1. D. foliis oblongo-ovalibus repando-dentatis, umbellis multifloris laxis, bracteis ovalibus.—*Willd. sp. pl.* 1. *p.* 808.

Icon. *Bot. mag.* 12. *Lam. illustr. t.* 99.

On river sides, in rocky shady situations: Pensylvania to Virginia, and on the Missouri. ♃. May. *v. v.* Flowers extremely handsome, purple.

integrifolium. 2. D. foliis subspatulatis integerrimis, umbellis paucifloris strictis, bracteis linearibus. *Mich. fl. amer.* 1. p. 123.

Icon. *Pluk. alm. t.* 79. *f.* 6.

In the Allegany mountains, in shady woods near rivers. ♃. June. *v. v.* Flowers pale blue, smaller than the former species.

169. PRIMULA. *Gen. pl.* 258.

1. P. pusilla, glabra; foliis ovali-spathulatis subdentatis, scapo elongato, umbella pauciflora, corollæ limbo reflexo, laciniis cuneato-oblongis obtuse bifidis, capsula oblonga exerta. *Mich. fl. amer.* 1. *p.* 124. *mistassinica.*

On lake Mistassins, and Hudson's Bay. *Michaux.* ♃. +.

170. ANDROSACE. *Gen. pl.* 257.

1. A. tenuissime pubescens; foliis involucrisve oblongo-spathulatis integerrimis, perianthiis angulatis, capsulis calyce brevioribus. *occidentalis.*

On the banks of the Missouri. *Nuttall.* ☉. *v. s. in Herb. Nuttall.* Approaches near to A. *elongata*, according to specimens of Pallas's in the Herbarium of A. B. Lambert, Esq.

171. SABBATIA. *Adanson. Parad. lond. t.* 32.

1. S. debilis; ramis laxis elongatis 1-floris, foliis lineari-ellipticis, calycis laciniis linearibus corollam subæquantibus, laciniis corollæ obovatis, caule angulato.—*Parad. lond. t.* 32. *gracilis.*

Chironia gracilis. *Mich. fl. amer.* 1. *p.* 146.

Chironia campanulata. *Linn. sp. pl.* 272.

In wet pastures, on the banks of rivers: Canada. *Kalm.* Pensylvania to Carolina. ♂. July, Aug. *v. v.* Flowers rose-coloured, segments of the corolla obovate.

2. S. erecta; ramis dichotomis elongatis 1-floris, foliis lanceolatis acutis, calyce subulato corollæ semibreviore, laciniis corollæ obovatis, caule tereti. *stellaris.*

Icon. *Bartram ic. ined. t.* 13. *in Musæo Banksiano.*

In salt marshes: New York, New Jersey, &c. ♂. Aug. *v. v.* The flowers are large and of a beautiful rose colour, with an elegant yellow star in the centre, which is surrounded by a deep red border; this plant is extremely shy of cultivation, though very desirable for that purpose. It varies with white flowers.

3. S. erecta; foliis ovatis amplexicaulibus, pedunculis elongato-corymbosis, calyce corollæ semibreviore, laciniis lanceolatis, caule marginato-quadrangulo. *angularis.*

Chironia angularis. *Willd. sp. pl.* 1. *p.* 1067.

In shady woods, on grassy hills: Canada to Carolina. ♂. July, Aug. *v. v.* It varies with longer and

shorter, broader and narrower leaves. Flowers a purplish red. It is used by the inhabitants in the same way as *Chironia Centaurium* is used in Europe.

calycosa. 4. S. erecta, foliosa; foliis oblongo-obovalibus, floribus solitariis subseptempartitis, calyce foliaceo corollam superante, laciniis oblanceolatis. *Mich. fl. amer.* 1. *p.* 147.

Chironia dichotoma? *Walt. fl. car.* 95.

Icon. *Bartram ic. ined. t.* 10. *in Museo Banksiano.*

In wet meadows: New York to Carolina. ♂. Aug. *v. v.* Flowers dark rose-coloured, segments of the corolla obovate.

chloroides. 5. S. debilis; foliis lanceolatis erectis, ramis paucis unifloris, floribus 7—13-partitis amplioribus, laciniis calycis linearibus corollæ brevioribus.

Chironia chloroides. *Mich. fl. amer.* 1. *p.* 147.

Chironia dodecandra. *Walt. fl. car.* 95.

Chlora dodecandra. *Linn. syst. veg.* 299.

In bogs: New York to Carolina. ♂. Aug. Sept. *v. v.* Flowers rose-coloured, large.

paniculata. 6. S. erecta; foliis lanceolato-lincaribus, panicula multiflora brachiata subfastigiata, calyce subulato corolla triplo-breviore, caule quadrangulo.

Chironia paniculata. *Mich. fl. amer.* 1. *p.* 146.

Swertia difformis. *Willd. sp. pl.* 1. *p.* 1330.

latifolia. α. S. foliis brevi-ovatis, paniculis pauciforis.

Chironia lanceolata. *Walt. fl. car.* 95.

angustifolia. β. S. foliis linearibus, panicula corymbosa multiflora.

In bogs and cedar swamps: New Jersey and Carolina. ♃. July, Aug. *v. v.* Flowers white. This certainly is the long lost *Swertia difformis*, as the specimens in the Herbarium of Clayton, now in possession of Sir Joseph Banks, sufficiently prove.

172. HOTTONIA. *Gen. pl.* 265.

palustris. 1. H. floribus verticillatis subsessilibus, caule geniculato, geniculis inflatis. *Willd. sp. pl.* 1. *p.* 812.

In stagnant waters of New Jersey and Virginia. ♃. July. *v. v.* Whether this is only an accidental variety or a distinct species, I cannot now decide; but certainly the habit of the plant, as well as its smaller flowers, indicate that it may, by further examination, turn out a new species.

173. MENYANTHES. *Gen. pl.* 299.

1. M. foliis ternatis. *Willd. sp. pl.* 1. *p.* 811. *trifoliata.*
Icon. *Engl. bot.* 495. *Fl. dan.* 541. *Lam. illustr. t.* 100. *f.* 1.
In bogs and stagnant waters: New Jersey, Virginia, Canada. ♃. June, July. *v. v.* Flowers pale red, very handsome.

174. VILLARSIA. *Gmel. syst. veg.* 447.

1. V. foliis reniformibus subpeltatis, subtus lacunosis natantibus, petiolis floriferis, corollis glabris. *Vent. choix de plant. p.* 9. *lacunosa.*
V. aquatica. *Gmel. syst. veg.* 447.
Menyanthes trachysperma. *Mich. fl. amer.* 1. *p.* 126.
Anonymos aquatica. *Walt. fl. amer.* 109.
In ponds and lakes, floating: New Jersey to Carolina. ♃. June, July. *v. v.* Flowers white.

175. SPIGELIA. *Gen. pl.* 272.

1. S. caule tetragono, foliis omnibus oppositis. *Willd.* *marilandica.*
Icon. *Bot. mag.* 80.
On the edges of woods, in rich moist soil: Maryland to Carolina. ♃. July, Aug. *v. v.* A beautiful perennial, with large scarlet flowers. The roots are sold, under the name of *Worm-grass* or *Pink-root*, in the shops, and are really a most excellent medicine for children, when troubled with worms.

176. OPHIORRHIZA. *Gen. pl.* 273.

1. O. caule acutangulo, foliis sessilibus, cyma longius pedunculata. *Mich. fl. amer.* 1. *p.* 148. *Willd. sp. pl.* 1. *p.* 826. *Mitreola.*
Cynoctonum sessilifolium. *Gmel. syst. veg.* 443.
Anonymos sessilifolia. *Walt. fl. car.* 108.
β. C. petiolatum. *Gmel.* & Anonymos petiolata. *Walt.*
Icon. *Swartz obs. t.* 3. *f.* 2. *Lam. illustr. t.* 107. *f.* 1.
In dry gravelly fields, on wood sides: Lower Virginia to Carolina. ♃. July. *v. v.* Flowers pale blue, small.
I strongly suspect that Swartz's plant and Michaux's are two distinct species.

177. PHACELIA. *Juss. Gen. pl.* 144.

bipinnatifida. 1. P. erecta; foliis pinnatifidis, laciniis inciso-lobatis; racemis plerumque bifidis oblongis multifloris, laciniis corollæ integerrimis.—*Mich. fl. amer.* 1. *p.* 134.
Icon. *l. c. t.* 16.
In the western countries, principally on the Allegany mountains: Pensylvania to Virginia. May, June. *v. v.* Flowers blue.

heterophylla. 2. P. erecta, hispida; foliis petiolatis pinnatifidis, laciniis lanceolatis integerrimis nervosis: impari elongata: floralibus simplicibus lanceolatis petiolatis, racemis bifidis densifloris, laciniis corollæ integerrimis.
On dry hills on the banks of the Kooskoosky. *M. Lewis.* ♂. June, July. *v. s. in Herb. Lewis.* Flowers pale blue.
Caulis erectus, ramosus: rami elongati. *Folia* petiolata: inferiora pinnatifida: laciniis lateralibus lanceolatis 1–2-jugis: lacinia terminali longo-lanceolata: superiora et ramea simplicia, lanceolata. *Petioli* marginati. *Racemi* terminales pedunculati dichotomi, spirales, secundi. *Pedicelli* brevissimi. *Calyx* laciniis linearibus. *Corolla* subcampanulata, calyce duplo longior: laciniis oblongis, obtusis, integerrimis. *Filamenta* corollæ duplo longiora. *Stylus* staminibus longior bifidus.

fimbriata. 3. P. assurgens, pilosa; foliis sessilibus pinnatifidis: laciniis lanceolatis acutis integris supra hispido-pilosis, subtus glabris: racemis solitariis, pedicellis elongatis, laciniis corollæ ciliato-fimbriatis.—*Mich. fl. amer.* 1. *p.* 134. *excl. syn. Pluk.*
On high mountains in Carolina. *Michaux.* Near Harper's Ferry, on the Potowmac; collected by myself. ☉. May, June. *v. v.* Flowers beautiful blue. Michaux mentions white flowers, which I consider a mistake, though there may be a white variety.

parviflora. 4. P. diffusa, pubescens; foliis subsessilibus pinnatifidis: laciniis oblongis obtusiusculis integris, racemis solitariis, pedicellis brevibus, laciniis corollæ rotundatis integerrimis.
Polemonium foliis inferioribus hastatis, superioribus lanceolatis. *Gronov. fl. virg. p.* 29.
Polemonium dubium. *Willd. sp. pl.* 1. *p.* 887.
Icon. *Pluk. alm. t.* 245. *f.* 5.

On rocks, near Harper's Ferry, on the Potowmac. ⊙. May. *v. v.* Flowers pale blue, not one fourth the size of the former species.

178. ELLISIA. *Gen. pl.* 268.

1. Ellisia. *Willd. sp. pl.* 1. *p.* 815. *Nyctelea.*
Icon. *Lam. illustr. t.* 97. *Moris. hist.* 3. *s.* 11. *t.* 28. *f.* 3.
On the banks of the Potowmac: Virginia. ⊙. May, June. *v. v.* Flowers white, very small.

179. DATURA. *Gen. pl.* 332.

1. D. pericarpiis spinosis erectis ovatis, foliis ovatis glabris. *Stramonium.*
Willd. sp. pl. 1. *p.* 1008.
Icon. *Fl. dan.* 436. *Engl. bot.* 1288. *Lam. illustr.* 123.
Among rubbish and on road sides: common. ⊙. June, July. *v. v.* Flowers white.

2. D. pericarpiis spinosis erectis ovatis, foliis cordatis glabris dentatis. *Willd. sp. pl.* 1. *p.* 1008. *Tatula.*
On road sides; not so frequent as the former. ⊙. June, July. *v. v.* Flowers blue.

180. HYOSCYAMUS. *Gen. pl.* 333.

1. H. foliis amplexicaulibus sinuatis, floribus sessilibus. *niger.*
Willd. sp. pl. 1. *p.* 1010.
Icon. *Engl. bot.* 52.
On way sides and among rubbish: Pensylvania, New York, near Oswego town, &c. Probably introduced from Europe. ⊙. June, July. *v. v.* Flowers yellow, with purple veins.

181. NICOTIANA. *Gen. pl.* 334.

1. N. foliis lanceolato-ovatis sessilibus decurrentibus, floribus paniculatis acutis. *Willd. sp. pl.* 1. *p.* 1014. *Tabacum.*
Icon. *Blackw. t.* 146. *Lam. illustr.* 113.
In cultivated grounds, frequently found in a wild state; introduced. ⊙. July. *v. v.* Flowers red.

2. N. foliis oblongo-ovatis petiolatis, floribus in summitate ramulorum sparsis solitariis, coro*l*lis infundibuliformibus, laciniis oblongis acutiusculis, capsulis subglobosis 4-valvibus. *quadrivalvis.*
Cultivated and spontaneous on the Missouri; principally among the Mandan and Ricara nations. ⊙. July. *v. v*; *v. s. in Herb. Lewis. nec non Nuttall.* Flowers white, with a tinge of blue. The tobacco prepared

from it is excellent. The most delicate tobacco is prepared by the Indians from the dried flowers.

182. VERBASCUM. *Gen. pl.* 331.

Thapsus. 1. V. foliis decurrentibus utrinque tomentosis, caule simplici. *Willd. sp. pl.* 1. *p.* 1001.
Icon. *Engl. bot.* 549. *Fl. dan.* 631.
On road sides and in neglected fields; common: probably introduced. ♂. July, Aug. *v. v.* A singular circumstance frequently struck my attention, respecting this plant, as it appears in great abundance in fields newly cleared and burnt in the most remote part of the country, where sometimes not a plant of it is found within the compass of more than a hundred miles. How the seed is brought there I cannot imagine.

Lychnitis. 2. V. foliis ovatis acutis crenatis subtus tomentoso-incanis, spicis laxis lateralibus et terminalibus.—*Willd. sp. pl.* 1. *p.* 1003.
Icon. *Fl. dan.* 586.
On the banks of the Delaware near Philadelphia. ♂. June, July. *v. v.* Flowers yellow, as all the rest here mentioned, smaller than the former species.

Blattaria. 3. V. foliis amplexicaulibus obovato-oblongis serratis glabris, pedicellis solitariis unifloris.—*Willd. sp. pl.* 1. *p.* 1005.
Icon. *Engl. bot.* 393.
In fields and on road sides; frequent. ♂. June, July. *v. v.* Flowers yellow. There frequently occurs a variety with white flowers, which are larger and sweet scented.

Claytoni. 4. V. foliis amplexicaulibus sublanceolato-oblongis: caulinis inciso-crenatis; crenis crenulatis, pedicellis solitariis unifloris.—*Mich. fl. amer.* 1. *p.* 148.
In woods and fields: Virginia to Carolina. ♂. June, July. *v. v.* Flowers yellow, and larger than the third species.

183. CALYSTEGIA. *Brown fl. nov. holl. p.* 483.

Sepium. 1. C. volubilis; foliis sagittatis acutissimis: postice obtusis truncatisve integris, bracteis acutis calyce longioribus dimidio corollæ brevioribus, pedunculo angulato petiolum superante. *Brown l. c.*

Convolvulus Sepium. *Willd. sp. pl.* 1. *p.* 844.
Convolvulus repens. *Linn. sp. pl. p.* 158. monente Cl. Brown.
Convolvulus repens. *Mich. fl. amer.* 1. *p.* 137.
Convolvulus lactescens foliis sagittatis, radice longa alba perenni. *Gron. fl. virg. p.* 28.
Icon. *Engl. bot.* 313. *Fl. dan.* 458.
In hedges and bushes, sometimes trailing on the ground: Canada to Carolina. ♃. June, July. *v. v.* Flowers pale red, white with a red border or a beautiful crimson, as figured in the Botanical Magazine, No. 732.

2. C. erecta, tomentosa; foliis oblongo-lanceolatis acuminatis cordatis: postice obtusis, pedunculis unifloris elongatis, bracteis ovatis acutis, laciniis calycis lanceolatis, caule inferne florifero. *tomentosa.*
Convolvulus stans. *Mich. fl. amer.* 1. *p.* 136.
On dry rocky hills: Canada to Virginia; rare. ♃. June, July. *v. v.* Flowers white, large.

3. C. erecta, pubescens; foliis subcordato-ovalibus obtusis, pedunculis unifloris foliis brevioribus, bracteis ovatis acutis, caule superne florifero. *spithamæa.*
Convolvulus spithamæus. *Willd. sp. pl.* 1. *p.* 873.
On dry hills: Pensylvania to Carolina; rare. ♃. June, July. *v. v.* Flowers white.

184. CONVOLVULUS. *Gen. pl.* 287.

1. C. humifusus, pubescens; foliis lanceolato-oblongis linearibus oblongisve obtusis mucronatis subsessilibus, pedunculis foliis longioribus 1—5-floris, corolla brevi campanulata, stylo bipartito.—*Mich. fl. amer.* 1. *p.* 137. *trichosanthes.*

α. C. filiformis, suberectus; foliis linearibus mucronatis, pedunculis patentissimis folio longioribus. *Lam. illustr.* 1. *p.* 453. patens.
C. aquaticus. *Walt. fl. car.* 94.

β. C. volubilis; foliis oblongo-ellipticis obtusis mucronatis subsessilibus, pedunculis foliis longioribus subbifloris. *Lam. illustr.* 1. *p.* 459. tenellus.
C. humistratus. *Walt. fl. car. p.* 94.
Icon. *Pluk. alm. t.* 166. *f.* 4.
In sandy woods: Virginia to Georgia. ☉. June, July. *v. v.* Flowers white, small.

2. C. repens, tuberosa; foliis cordatis hastatis angulosо-lo- *Batatas.*

batis quinquenervibus glabriusculis, pedunculis longis floribus fasciculatis, calycis glabri laciniis lanceolatis acuminatis, corolla campanulata.—*Mich. fl. amer.* 1. *p.* 138. *Willd. sp. pl.* 1. *p.* 853.

Cultivated throughout America. ♃. July. *v. v.* Flowers white, red, and sometimes purple. Vid. *Catesb. car.* 2. *t.* 60. There are a number of varieties, as is the case with most cultivated plants.

obtusilobus. 3. C. prostratus, glaber; foliis crassis sinuato-lobatis, lobis rotundato-obtusis: impari majore emarginato, pedunculis unifloris, laciniis calycis oblongo-ovalibus, corolla brevi-campanulata.—*Mich. fl. amer.* 1. *p.* 139.

On the sandy beach of Georgia and Florida. *Michaux.* ♃. +.

sagittifolius. 4. C. volubilis, glaberrimus; foliis oblongo-sagittatis: sinu profundissimo: auriculis subacuminatis, pedunculis unifloris, laciniis calycis rotundato-ovalibus, corolla infundibuliformi-campanulata.—*Mich. fl. amer.* 1. *p.* 138.

C. speciosus. *Walt. fl. car. p.* 93.

Icon. *Catesb. car.* 1. *t.* 35.

In wet situations, among bushes: Virginia to Carolina. ♃. June, July. *v. v.* Flowers of a beautiful rose-colour, large.

panduratus. 5. C. volubilis, pubescens; foliis lato-cordatis integris lobatisve panduriformibus, pedunculis longis, floribus fasciculatis, calycibus glabris muticis, corollis subulato-campanulatis. *Mich. fl. amer.* 1. *p.* 138. *Willd. sp. pl.* 1. *p.* 850.

Icon. *Dill. elth. t.* 85. *f.* 99.

In sandy fields and among bushes: Canada to Carolina. ♃. June—Aug. *v. v.* Flowers white, with a red bottom. There is a variety with double flowers, cultivated in the gardens of America, which is a singular circumstance in this genus. The root in some instances grows to an enormous size; I have seen one the thickness of a man's thigh, and more than two feet long. Taken in the place of Jalap, it has the same effect, only in a less degree.

arvensis. 6. C. volubilis, glaber; foliis sagittatis utrinque acutis pedunculis subunifloris, bracteis minutis a flore remotis. *Smith fl. brit.* 1. *p.* 232.

Icon. *Engl. bot.* 312. *Fl. dan.* 459.

In meadows: Virginia. *Gron. fl. virg.* 27. ♃. June, July. Flowers rose-coloured. I never observed this

species in any part of North America, and take it only on the authority of Gronovius.

185. IPOMŒA. *Gen. pl.* 288.

1. I. foliis pinnatifidis linearibus, floribus subsolitariis, corollis tubulosis. *Willd. sp. pl.* 1. *p.* 879. *Quamoclit.*
Icon. *Bot. mag.* 244.
In cultivated grounds, near gardens: Virginia and Carolina. ⊙. July, Aug. *v. v.* Flowers scarlet or white; a most delicate and handsome plant.

2. I. pubescens; foliis cordatis acuminatis subangulatis, pedunculis sub-5-floris, calycibus aristatis, corollis tubulosis: limbo subintegro.—*Mich. fl. amer.* 1. *p.* 140. *Willd. sp. pl.* 1. *p.* 880. *coccinea.*
Icon. *Bot. rep. t.* 99. *Bot. mag.* 221.
On banks of rivers: Virginia to Georgia, and Louisiana. ⊙. June, July. *v. v.* Flowers yellowish-scarlet.

3. I. caule, petiolis pedunculisque pilosissimis; foliis glabris 7-partito-lobatis: laciniis sinuatis, pedunculis unifloris, laciniis calycis ovalibus, corollis campanulatis. *dissecta.*
Icon. *Jacq. hort. t.* 159. *Willd. phytog.* 1. *t.* 2. *f.* 3.
Convolvulus dissectus. *Willd. sp. pl.* 1. *p.* 864. *Mich. fl. amer.* 1. *p.* 139.
On calcareous hills: Georgia and Florida. *Michaux.* ♃. ♄. July. *v. v. in Hortis.*

4. I. glabriuscula; foliis profunde sublanceolato-3-lobis integrisve, pedunculis subbifloris, laciniis calycis ovali-lanceolatis pilosis, corollis brevibus, capsulis pilosis. *carolina.*
Convolvulus carolinus. *Mich. fl. amer.* 1. *p.* 139.
Icon. *Catesb. car. t.* 87?
In hedges: Carolina. ⊙. June—Aug. *v. v.* Flowers pale purple.

5. I. glabra; foliis cordatis acuminatis scrobiculatis basi angulatis, pedunculis brevibus subunifloris, calycibus pilosis, corollis tubulosis brevibus, capsulis pilosis.—*Mich. fl. amer.* 1. *p.* 140. *Willd. sp. pl.* 1. *p.* 881. *lacunosa.*
Icon. *Dill. elth. t.* 87. *f.* 102.
In Carolina and Florida. *Michaux.* ⊙. June, July. *v. v.* Flowers white, with a purple rim.

6. I. glaberrima; foliis cordatis integris seu angulatis, pedunculis 1—3-floris, calycibus aristatis, corollis indivisis: tubo longissimo.—*Willd. sp. pl.* 1. *p.* 882. *Bona nox.*

Icon. *Bot. mag. t.* 752. *Jacq. hort.* 1. *t.* 36.
On river sides: Carolina and Florida. ☉. July, Aug. *v. v.* Flowers white, very large.

tamnifolia. 7. I. hirsuta; foliis cordatis acuminatis, floribus aggregato-capitatis involucratis: bracteis linearibus, corollis brevi-tubulosis: limbo patente, capsulis glabris.—*Willd. sp. pl.* 1. *p.* 885.
Icon. *Dill. elth. t.* 318. *f.* 414.
In hedges: Carolina. ☉. July, Aug. *v. v. in Hortis.* Flowers blue, very small.

purpurea. 8. I. pubescens; foliis cordatis integris, pedunculis 2—5-floris: pedicellis cernuis incrassatis, laciniis calycis lanceolatis, capsulis glabris.
Convolvulus purpureus. *Willd. sp. pl.* 1. *p.* 852.
Icon. *Bot. mag.* 113.
About gardens, frequent. ☉. June—Aug. *v. v.* Flowers very variable in colour.

Nil. 9. I. hirsuta; foliis ventricoso-trilobis, pedunculis brevibus 1-2-floris, bracteis subulatis, calycibus villosissimis longissime acuminatis.
Convolvulus Nil. *Willd. sp. pl.* 1. *p.* 851. *Mich. fl. amer.* 1. *p.* 139.
Icon. *Bot. mag. t.* 188. *Dill. elth. t.* 80. *f.* 91 *et* 92.
Near gardens and in hedges, on river sides: Virginia to Carolina. ☉. June—Aug. *v. v.* Flowers beautiful pale blue, only open early in the morning, from which it has been called *Morning-glory*.

ciliosa. 10. I. glabra; foliis eximie cordatis margine subciliatis, pedunculis longis unifloris, calycis ebracteati laciniis lato-ovalibus obtusis, corollis tubulato-campanulatis.
Convolvulus ciliosus. *Mich. fl. amer.* 1. *p.* 137.
Near Knoxville in Tennassee. *Michaux.* +.

Jalapa. 11. I. pubescens; foliis cordatis integris lobatisque plicato-rugosis subtus subtomentosis, pedunculis 1—3-floris, foliolis calycis ovalibus muticis, corollis campanulatis, seminibus prolixe lanuginosis, radice crassissimo.
Convolvulus Jalapa. *Willd. sp. pl.* 1. *p.* 860.
Ipomœa macrorhiza. *Mich. fl. amer.* 1. *p.* 141.
Icon. *Desfont. in ann. mus. hist. nat.* 2. *t.* 40 *et* 41.
Near the sea shore of Georgia and Florida. ♃. June, July. *v. v.* Flowers white, very large.
Obs.—This very interesting plant was first discovered in Georgia by Michaux. After this I frequently have received seeds and roots from Georgia myself: but

little did I suspect it to be the true *Convolvulus Jalapa*, till two circumstances convinced me thereof. The first was seeing a paper on this subject in the *Annales du Museum d'Histoire Naturelle*, by Desfontaines; and the other, on seeing the living plant, recently raised out of a collection of seeds brought from Mexico, in possession of A. B. Lambert, Esq., which in every respect proved to be *Convolvulus Jalapa* of Linnæus, as well as *Ipomœa macrorhiza* of Michaux, with only the small difference of colour, which was a light purple: but this is of no consequence in this family of plants.

186. CANTUA. *Juss. gen. pl.* 152.

1. C. glabriuscula; foliis pinnatifidis, floribus terminalibus laxe racemosis pedunculatis, laciniis corollæ amplis subrotundis brevi-acuminatis, stylo exerto.—*Willd. sp. pl.* 1. *p.* 879. *coronopifolia.*
Polemonium rubrum. *Linn. sp. pl. ed.* 3. *p.* 231.
Ipomœa rubra. *Linn. syst. veg.* 171.
Ipomopsis elegans. *Mich. fl. amer.* 1. *p.* 142.
Gilia coronopifolia. *Pers. ench.* 1. *p.* 187.
Icon. *Bot. rep.* 415. *Exot. bot.* 13. *Dill. elth. t.* 241. *f.* 312.
On river sides, in sandy soil: Carolina. ♂. June, July. *v. v.* Flowers beautiful red.

2. C. pubescens; foliis tenuissime pinnatifidis, floribus terminalibus lateralibusque aggregato-subcapitatis subsessilibus, laciniis corollæ angustatis oblongis sensim acutis, stylo incluso brevissimo. *aggregata.*
On the banks of the Mississippi. *M. Lewis.* ♂. June. *v. s. in Herb. Lewis.* Flowers scarlet, more slender than the former species; the segment of the corolla not spreading, but erect, and small in proportion to the tube.

187. DIAPENSIA. *Gen. pl.* 255.

1. D. foliis spathulatis glabris, antheris obliquis muticis. *Salisb. parad. lond.* 104. *obtusifolia.*
D. lapponica. *Willd. sp. pl.* 1. *p.* 795.
Icon. *Fl. dan.* 47. *Bot. mag.* 1108.
On the highest mountains, among moss: New Hampshire. 4. May—July. *v. s. in Herb. Prof. Peck.* Flowers white.

cuneifolia. 2. D. foliis lanceolato-cuneatis inferne pubescentibus, antheris horizontalibus basi rostratis. *Salisb. parad. lond.* 104.
D. americana. *Mus. Banks.*
Pyxidanthera barbulata. *Mich. fl. amer.* 1. *p.* 152.
Icon. *Mich. l. c. t.* 17. *Salisb. parad. lond.* 104.
On high mountains in North Carolina. *Michaux.* On the White mountains of New Hampshire. *Prof. Peck.* Plentifully on the pine-barrens of New Jersey near the sea coast, &c. ♄. June—Aug. *v. v.* Flowers small, white.

188. PHLOX. *Gen. pl.* 284.

paniculata. 1. P. erecta, glabra; foliis lanceolatis sensim angustatis planis margine asperis, corymbis paniculatis, corollæ laciniis rotundatis, calycibus aristatis.—*Willd. sp. pl.* 1. *p.* 839.
Icon. *Mill. ic. t.* 205. *f.* 2. *Dill. elth. t.* 166. *f.* 203.
In rich moist meadows: Virginia and Lower Carolina. ♃. July—Sept. *v. v.* Flowers purple; stem from three to four feet high.

undulata. 2. P. erecta, glabra; foliis oblongo-lanceolatis subundulatis margine scabris, corymbis paniculatis, corollæ laciniis obovatis subretusis, calycibus aristatis.—*Willd. sp. pl.* 1. *p.* 840.
P. paniculata. *Mich. fl. amer.* 1. *p.* 144.
In high mountains and meadows of Virginia and Carolina. ♃. July, Aug. *v. v.* A beautiful plant, resembling the former species, but taller; flowers the same colour.

pyramidalis. 3. P. erecta, glabra; caule scabro, foliis cordato-ovatis acutis, panicula fastigiata pyramidali, corollæ laciniis cuneato-truncatis, dentibus calycinis suberectis lanceolatis acutis.—*Smith exot. bot.* 2. *p.* 55.
P. carolina. *Walt. fl. car.* 96.
Icon. *Smith l. c. t.* 87.
In mountain meadows: Pensylvania to Carolina. ♃. June—Aug. *v. v.* Flowers beautiful purple; plant not so tall as the two former species.

latifolia. 4. P. erecta, glabra; caule lævi, foliis cordato-ovatis, floribus fastigiato-corymbosis, corollæ laciniis suborbiculatis, dentibus calycinis lanceolatis vix acuminatis.—*Mich. fl. amer.* 1. *p.* 143.
An eadem cum priori?

In shady wet places, mossy woods, among Sphagnum: Carolina. *Michaux.* ♃. +. Flowers purple, large.

5. P. erecta; caule scabro maculato, foliis oblongo-lanceolatis glabris margine asperis, panicula oblonga confertiflora, corollæ laciniis rotundatis, dentibus calycinis acutis recurvatis.—*Willd. sp. pl.* 1. *p.* 840. *maculata.*

Icon. *Jacq. hort. t.* 127.

In wet meadows: New England to Carolina. ♃. July, Aug. *v. v.* Flowers purplish-violet or purple; stem spotted with brown dots.

6. P. erecta; caule glaberrimo immaculato, foliis ovato-lanceolatis undique lævibus, racemo paniculato, corollæ laciniis rotundatis, dentibus calycinis lanceolati acutis erectiusculis.—*Willd. sp. pl.* 1. *p.* 840. *suaveolens.*

In meadows: Canada to Virginia. ♃. July, Aug. *v. v* Flowers white, sweet-scented; plant not so tall a the foregoing species.

7. P. erecta; caule pubescente, foliis ovato-lanceolatis lævibus, corymbis subfastigiatis, ramulis subtrifloris, corollæ laciniis rotundatis, dentibus calycis glabri lanceolatis erectis.—*Willd. sp. pl.* 1. *p.* 841. *carolina.*

P. triflora? *Mich. fl. amer.* 1. *p.* 143.

Icon. *Bot. mag.* 1344. *Mart. dec.* 1. *t.* 10.

In sandy wet meadows: Carolina. ♃. July—Sept. *v. v.* Flowers beautiful pale purple, the size of *P. suaveolens.*

8. P. cæspitosa, assurgens, glabra; foliis lineari-lanceolatis lævibus, corymbo terminali subfastigiato, corollæ laciniis rotundatis, dentibus calycis mucronatis.—*Willd. sp. pl.* 1. *p.* 841. *glaberrima.*

Icon. *Dill. elth. t.* 166. *f.* 202?

In wet meadows of Lower Carolina, and on the mountains of Virginia. ♃. June—Aug. *v. v.* Flowers deep purple.

9. P. erecta, glabra, frutescens, ramosissima; foliis linearibus, superioribus alternis basi dilatatis, racemis paniculato-corymbosis, corollæ laciniis cuneato-oblongis emarginatis, dentibus calycis subulatis tubum æquantibus. *speciosa.*

On the plains of Columbia. *M. Lewis.* ♄. May, June. *v. s. in Herb. Lewis.* Flowers white, with a red or purple centre, similar to those of *Vinca rosea*, var. *alba.* They appear in such abundance, that they cover the whole shrub.

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aristata. 10. P. debilis, erecta, viscidulo-pubescens; foliis lanceolatis, panicula laxa fastigiata, pedunculis terminatis, corollæ laciniis obovalibus: tubo pubescente, dentibus calycinis longissimis. *Mich. fl. amer.* 1. *p.* 144.

P. pilosa. *Bot. mag.* 1307?

virens. α. corolla roseo-purpurascente.

canescens. β. corolla albido-rosea.

In sandy fields: Pensylvania to Carolina. ♃. *v. v.* Flowers red, or sometimes white.

pilosa. 11. P. humilis, decumbens, pubescens; foliis lineari-lanceolatis brevibus asperiusculis: summitatibus subsessiliter fasciculiflоris, corollæ laciniis rotundato-obtusis: tubo stricto glabro, dentibus calycis subulato-acuminatis. *Mich. fl. amer.* 1. *p.* 145. *Walt. fl. car.* 96. *Willd. sp. pl.* 1. *p.* 840?

Icon. *Pluk alm. t.* 98. *f.* 1.

amœna. β. *Bot. mag.* 1308.

In sandy fields: Carolina and on the mountains of Georgia. ♃. May—July. *v. v.* Flowers purple, sometimes white, smaller than the foregoing species. Var. β. is most likely only a luxuriant garden production of this species.

divaricata. 12. P. humilis, decumbens, pubescens; foliis ovali-lanceolatis: superioribus alternis, ramulis divaricatis laxis paucifloris, corollæ laciniis subobcordatis, dentibus calycis subulato-linearibus.—*Willd. sp. pl.* 1. *p.* 841.

Icon. *Bot. mag.* 163. *Mill. ic. t.* 203. *f.* 1.

On the mountains: Pensylvania to Virginia. ♃. May—July. *v. v.* Flowers purplish-blue; plant of low growth.

ovata. P. erecta, glabra; foliis radicalibus ovatis acutis subcarnosis: caulinis lanceolatis, corymbis subfastigiatis, corollæ laciniis undulatis retusis, dentibus calycis linearibus acutis.—*Bot. mag.* 528. *Willd. sp. pl.* 1. *p.* 842.

Icon. *Bot. mag. l. c.*

In North America. ♃. May—July. *v. v. in Hortis.* Flowers beautiful reddish-purple.

stolonifera. 14. P. reptanti-stolonifera, pubescens; foliis radicalibus spatulato-obovatis, caulinis ovali-lanceolatis, corymbo divaricatim pauciflоro, corollæ laciniis obovatis; dentibus calycis linearibus reflexis.—*Bot. mag.* 563.

P. reptans. *Mich. fl. amer.* 1. *p.* 144.

Icon. *Bot. mag.* 563.
In the high mountains of Virginia and Carolina. ♃. June—Sept. *v. v.* Flowers blue, with a purple centre, very handsome.

15. P. cæspitosa, canditanti-pubescens; foliis linearibus pungentibus *ciliatis*, corymbis paucifloris: pedicellis trifidis, corollæ laciniis cuneatis emarginatis, dentibus calycis subulatis tubo corollæ vix brevioribus.—*Willd. sp. pl.* 1. *p.* 842. *subulata.*
Icon. *Bot. mag.* 411.
On dry sandy hills and rocks: New Jersey to Carolina. ♃. April—June. *v. v.* Flowers pink-coloured, with a handsome purple star in the centre.

16. P. cæspitosa, pubescens; foliis fasciculatis subulatis pungentibus ciliatis, pedicellis paucis terminalibus subumbellatis, corollæ laciniis cuneatis emarginatis, dentibus calycis subulatis tubo corollæ triplo brevioribus.—*Willd. sp. pl.* 1. *p.* 842. *setacea.*
Icon. *Bot. mag.* 415.
On rocks and barren sandy hills: Virginia to Carolina. ♃. May—July. *v. v.* Flowers pale rose-coloured, with a purple star in the centre.

189. POLEMONIUM. *Gen. pl.* 289.

1. P. foliis pinnatis septenis, floribus terminalibus nutantibus. *Willd. sp. pl.* 1. *p.* 886. *reptans.*
Icon. *Mill. ic.* 2. *t.* 209.
In the mountains, on the side of rich hills: Pensylvania to Carolina. ♃. April, May. *m. v.* Flowers sky-blue; there is a variety with white flowers.

190. AZALEA. *Gen. pl.* 277.

1. A. subnudiflora; foliis oblongis utrinque pubescentibus: adultis hirsutis, floribus amplis non viscosis, calycis dentibus oblongis, corolla tubo hirsuto laciniis brevior.—*Mich. fl. amer.* 1. *p.* 151. *calendulacea.*
α. A. floribus flammeo-calendulaceis. *flammea.*
β. A. floribus croceis. *Bot. mag.*.... *crocea.*
α. On the banks of the Savannah river, near Two-sisters. *Michaux.* On the Flint river, Georgia, &c.
β. On the highest mountains of Virginia and Carolina. ♄. April, May. *v. v.* Flowers of var. *α.* a beautiful

flame colour, sometimes deep yellow m scarlet, as in *Mirabilis Jalapa*; var. β. brigl resembling *A pontica*. It is, without exce handsomest shrub in North America. Vid. *Travels*, p. 321.

canescens. 2. A. subnudiflora; foliis obovato-oblongis supra tibus subtus tomentosis, nervo non setiger non viscosis, tubo laciniis vix breviore, cal bus brevissimis rotundato-obtusis, staminib ertis.—*Mich. fl amer.* 1. p. 150.

On the banks of rivers in Lower Carolina. *Michaux.* On the mountains of Cacapoon springs near Winchester, Virginia. ♄. May, June. *v. v.* Flowers rose-coloured.

periclymenoides. 3. A. subnudiflora; foliis lanceolato-oblongis utrinque glabriusculis, concoloribus, nervo supra lanuginoso, subtus setigero, margine ciliatis, floribus amplis non viscosis, tubo laciniis longiore, calycis dentibus brevibus ovali-subrotundis, staminibus longissime exertis. —*Mich. fl. amer.* 1. p. 151.

A. nudiflora. *Willd. sp. pl.* 1. p. 831.

coccinea. α. A. floribus coccineis, foliis lanceolatis. *Bot. mag.* 180.

rutilans. β. A. floribus saturate rubris, calycibus minutis. *Ait. kew.* 1. p. 319.

carnea. γ. A. floribus pallide rubicundis, tubo basi rubro, calycibus foliaceis. *Ait. l. c.*

alba. δ. A. floribus albidis, calycibus mediocribus. *Ait. l. c.*

papilionacea. ε. A. floribus rubicundis: lacinia infima alba, calycibus foliaceis. *Ait. l. c.*

partita. ζ. A. floribus carneis usque ad basin quinquepartitis. *Ait. l. c.*

polyandra. η. A. floribus roseis brevibus 10—20-andris.

On the side of hills: Canada to Georgia. Var. α. near Savannah, Georgia. Var. η. near Philadelphia, Pensylvania. ♄. April—June. *v. v.* This beautiful shrub has a great many varieties, besides the above-mentioned, among which is one with double flowers; but the var. η. is the most remarkable. This variety proves clearly, that *Azalea* and *Rhododendron* are one genus, *A. procumbens* excluded, as *Rhododendron* is frequently found with less than ten, and all the species of *Azalea* with more than five stamina.

arborescens. 4. A. foliosiflora; foliis obovatis obtusiusculis utrinque glabris subtus glaucis: nervo vix setigero, margine cilia-

tis, floribus magnis non viscosis, tubo laciniis longiore, calycibus foliaceis: laciniis oblongis acutis, filamentis exertis.

A. arborea. *Bart. catal.*

On rivulets, near the Blue mountains: Pensylvania. ♄. May—July. *v. v.*—This beautiful species has, to my knowledge, not yet been introduced into the gardens. I have only seen it in its native place and in the garden of Mr. John Bartram, near Philadelphia, whose father introduced it many years ago. It rises from ten to twenty feet high, and forms, with its elegant foliage and large abundant rose-coloured flowers, the finest ornamental shrub I know. The flowers are not so much pubescent as the rest of the other species; the scales of the flower-buds are large, yellowish-brown, surrounded with a fringed white border.

5. A. nudiflora: foliis oblongis utrinque tenuissime canopubescentibus: nervo non setigero, floribus parvis non viscosis: tubo laciniis vix longiore, calycibus brevissimis: lacinia unica lineari reliquis quadruplo longiore, filamentis exertis, ramulis piloso-hispidis. *bicolor.*

A. nudiflora bicolor. *Ait. kew.* 1. *p.* 319.

Icon. *Trew ehret. t.* 48.

On barren, sandy hills: Carolina and Georgia. ♄. May, June. *v. v.* Flowers slender, and smaller than the rest, of a pale rose colour or nearly white, with a deep-red-coloured tube.

6. A. foliosiflora; ramis hispidis, foliis oblongo-obovatis acutis utrinque glabris concoloribus: nervo setigero, margine ciliatis, floribus viscosis, tubo laciniis duplo longiore, calycis dentibus brevissimis rotundatis, filamentis corollæ vix longioribus.—*Willd. sp. pl.* 1. *p.* 831. *viscosa.*

In swamps and shady woods: Canada to Georgia. ♄. July, Aug. *v. v.* Flowers white, sweet-scented. There are a number of varieties and even intermediate species between this and the *A. periclymenoides.*

7. A. foliosiflora; ramis glabriusculis, foliis parvis oblanceolatis submucronatis coriaceis utrinque glabris supra nitidis: nervo subtus setigero, margine revoluto-ciliatis, floribus viscosis: tubo laciniis paulo longiore, calycibus brevissimis, filamentis exertis. *nitida.*

In deep mossy swamps on the mountains: New York to Virginia. ♄. June, July. *v. v.* Flowers white

with a red tinge; leaves very dark green and they are smaller than in any other species.

glauca. 8. A. foliosiflora; ramulis hispidis, foliis oblanceolatis utrinque glabris subtus glaucis: nervo margine ciliatis, floribus viscosissimis: tubo duplo longiore, calyce brevissimo, filamentis corollæ subæquantibus.—*Lam. illustr.* p. 49.

A. viscosa floribunda. *Ait. kew.* 1. *p.* 319.

In swamps of a clayey soil: New England to Virginia. ♄. June, July. *v. v.* Flowers white, very fragrant; the shrub lower than the rest, and flowering in great abundance.

hispida. 9. A. foliosiflora; ramis strictis hispidissimis; foliis longe lanceolatis: supra hispidis, subtus glabris; utrinque glaucis: nervo setigero, margine ciliatis, floribus viscosissimis: tubo laciniis amplis vix longiore, calycis dentibus oblongis rotundatis, filamentis exertis.

A. viscosa glauca. *Ait. kew.* 1. *p.* 319?

On the borders of lakes on the highest part of the Blue mountains: New York and Pensylvania. ♄: July, Aug. *v. v.* Flowers white with a red border, and a tinge of red on the tube, which makes them appear to be of a rose-colour before open. They have frequently ten stamina, as in var. η. of *A. periclymenoides*. This shrub generally grows to the height of from ten to fifteen feet, very upright, and has a blueish appearance, by which it may be distinguished from all others at a great distance.

procumbens. 10. A. foliosiflora; ramis diffuso-procumbentibus, foliis oppositis ellipticis glabris margine revolutis, corollis campanulatis glabris, filamentis inclusis æqualibus.—*Willd. sp. pl.* 1. *p.* 832.

Icon. *Fl. dan.* 9. *Engl. bot.* 865.

In the alpine regions of the White mountains, New Hampshire. *Prof. Peck.* On the Grandfather mountain, Carolina. *Lyon.* ♄. July. *v. s. in Herb. Peck. nec non Lyon. v. v. in Hortis.* Flowers small, rose-coloured. This plant has so much affinity to *Ledum buxifolium*, Ait. that I have scarcely been able to persuade myself that they are distinct plants. Comparing specimens of different varieties of the latter, with those of *A. procumbens* from different countries, in the herbarium of A. B. Lambert, Esq. I could find no other distinction between both, than that of the

Ledum being an upright little shrub, with decandrous flowers which are white, whereas the present species has procumbent stems and pentandrous red flowers. It most certainly ought to be taken from this genus, or else all the rest but this one united with *Rhododendron*.

191. BUMELIA. *Gen. pl.* 1736.

1. B. spinosa, erecta; foliis deciduis lato-lanceolatis utrinque glabris, pedunculis aggregatis unifloris, laciniis corollæ trifidis. — *Mich. fl. amer.* 1. *p.* 122. *lycioides.*
Sideroxylum lycioides. *Willd. sp. pl.* 1. *p.* 1090.
Sideroxylum lævе. *Walt. fl. car.* 100.
Icon. *Duham. arb.* 2. *t.* 68.
In shady woods: Carolina and Georgia. ♄. July, Aug. *v. v. s. fl.* A small tree, with minute greenish flowers.

2. B. spinosa, dumosa, diffuse reclinata; ramis sterilibus divaricato-ramosis, foliis parvis obovalibus glaberrimis. *Pers. syn.* 1. *p.* 237. *reclinata.*
Sideroxylum reclinatum. *Mich. fl. amer.* 1. *p.* 122.
Icon. *Vent. choix de plant. t.* 22.
On the banks of rivers in Georgia. *Michaux.* ♄. July, Aug. *v. v. s. fl.* A small straggling shrub.

3. B. subspinosa; ramulis patentissimis pubescentibus, foliis ovali-lanceolatis, supra glabris, subtus lanuginosis. *Pers. syn.* 1. *p.* 237. *lanuginosa.*
Sideroxylum lanuginosum. *Mich. fl. amer.* 1. *p.* 122.
Sideroxylum tenax. *Walt. fl. car.* 100.
In wet copses of Georgia. *Michaux.* ♄. +.

4. B. subspinosa; foliis cuneato-lanceolatis plerumque obtusis, subtus sericeo-nitentibus. *Pers. syn.* 1. *p.* 237. *Willd. sp. pl.* 1. *p.* 1085. *chrysophylloides.*
Sideroxylum tenax. *Linn. syst. veg.*
Sideroxylum sericeum. *Walt. fl. car.* 100.
Sideroxylum chrysophylloides. *Mich. fl. amer.* 1. *p.* 123.
In hedges and copses near the sea-coast of Carolina and Georgia. ♄. June. *v. v.* A small tree; leaves very handsome.

5. B. inermis; foliis sempervirentibus oblongo-lanceolatis utrinque acutis glabris subaculeato-serratis, racemis axillaribus sessilibus multifloris. *serrata*
On the banks of the Missouri. *Nuttall* ♄. July. *v. s. in Herb. Nuttall.* Berries black, large.

192. SOLANUM. *Gen. pl.* 337.

Dulcamara. 1. S. caule inermi fruticoso scandente, foliis cordatis: superioribus auriculatis, corymbis oppositis. *Willd. sp. pl.* 1. *p.* 1028.
Icon. *Fl. dan.* 607. *Schmidt arb.* 146. *Engl.*
On banks of rivers, in hedges: Pensylvania. ♄. June, July. *v. v.* Flowers violet-blue, red.

nigrum. β. virginicum. 2. S. caule inermi herbaceo, ramis angulatis dentatis, foliis ovatis repandis glabris, racemis distichis nutantibus. *Willd. sp. pl.* 1. *p.* 1035.
Icon. *Dill. elth. t.* 275. *f.* 256.
On cultivated grounds, common. ⊙. June—Aug. *v. v.* Flowers white; berries black.

mammosum. 3. S. caule aculeato herbaceo, foliis cordatis angulato-lobatis utrinque villosis aculeatis. *Willd. sp. pl.* 1. *p.* 1040.
Icon. *Merian. surin. t.* 27. *Pluk. alm. t.* 226. *f.* 1.
On the sea-coast of Virginia and Carolina. ⊙. June—Aug. *v. v.* Flowers pale blue; fruit yellow, shaped like a pear.

virginianum. 4. S. caule erecto aculeato, foliis pinnatifidis undique aculeatis, laciniis sinuatis obtusis, margine ciliatis, calycibus aculeatis. *Willd. sp. pl.* 1. *p.* 1041.
Icon. *Dill. elth. t.* 267. *f.* 346. *Pluk. alm. t.* 62. *f.* 3.
On road sides and sandy fields: Virginia to Carolina. ⊙. July. *v. v.* Flowers blue; berries small, greenish-white.

carolinense. 5. S. caule aculeato annuo, foliis hastato-angulatis aculeis utrinque tectis, racemis laxis. *Willd. sp. pl.* 1. *p.* 1046.
Icon. *Dill. elth.* 269. *f.* 348. *Jacq. ic.* 2. *t.* 331.
On road sides and old fields: Virginia to Georgia. ♃. June—Aug. *v. v.* Flowers large, pale blue; fruit yellow.

heterandrum. 6. S. caule aculeato annuo, foliis bipinnatifidis utrinque hirsuto-tomentosis aculeatisque: laciniis obtusiusculis, racemis lateralibus, antheris patulis corniformibus: infima maxima longitudine corollæ, bacca subquadriloculare calyce echinato inclusa.
On the banks of the Missouri. *Nuttall.* ⊙. July. *v. s. in Herb. Nuttall.*; *v. v. in Hortis.* Flowers large,

Solanum heterandrum

Engraved by W. Hooker

yellow. This singular species of *Solanum* is very nearly allied to *S. cornutum*, *Juss. in Annales de Mus. hist. nat.* 3. *p.* 120. *t.* 9. and they probably will form a new genus, to which some other not properly examined species may belong.

193. PHYSALIS. *Gen. pl.* 336.

1. P. foliis geminis subcordato-ovalibus repandis obtusis subtomentosis, caule herbaceo superne paniculato, calycibus fructiferis pubescentibus. —*Willd. sp. pl.* 1. *p.* 1021. *viscosa.*
Icon. *Jacq. hort.* 2. *t.* 136. *Dill. elth. t.* 10. *f.* 10.
On road sides and among rubbish: Pensylvania to Carolina. ♃. July—Aug. *v. v.* Flowers yellow; berries viscous.

2. P. foliis quasi cordato-suborbiculatis acuminatis inæqualiter dentatis, caule herbaceo divaricato-ramosissimo: ramis angulatis.—*Mich. fl. amer.* 1. *p.* 149. *obscura.*
α. P. summitatibus petiolisque vix pubescentibus. glabra.
P. angulata. *Walt. fl. car.* 99.
β. P. viscido-pubescens. pubescens.
In sandy fields of Lower Carolina. ♃. July, Aug. *v. v.* Flowers yellow, with brown spots and blueish anthers.

3. P. foliis geminis ovali-lanceolatis subintegris, in petiolum sensim angustatis pubescentibus, caule herbaceo dichotomo, calyce villoso.—*Mich. fl. amer.* 1. *p.* 149. *lanceolata.*
In Lower Carolina. *Michaux.* ♃. July. *v. s. in Herb. Walt.*

4. P. foliis ovatis subrepandis obtusis nudiusculis, caule herbaceo ramoso, pedunculis solitariis petiolis paulo longioribus.—*Willd. sp. pl.* 1. *p.* 1021. *pensylvanica.*
P. tomentosa. *Walt. fl. car.* 99?
On road sides, among rubbish: Pensylvania to Carolina. ♃. June, July. *v. v.* Flowers entirely yellow.

5. P. foliis ovatis repando-dentatis glabris, caule herbaceo ramosissimo, pedunculis solitariis petiolo multo brevioribus. *Lam. encycl.* 2. *p.* 101. *philadelphica.*
In dry places on river sides; New England to Virginia. ☉. July. *v. v.* Flowers larger than the foregoing species, yellow, with brown stripes.

6. P. foliis villoso-viscosis cordatis, caule herbaceo ramo- *pubescens.*

sissimo, floribus solitariis pendulis, calycibus subrotundo-globosis angulatis. *Willd. p.* 1023.

Icon. *Feuil. peruv.* 3. *t.* 1.

On the sandy shores of Carolina. ⊙. June, July. Flowers yellow, with brown spots; berries yellow.

194. NICANDRA. *Juss. gen. pl.* 140.

physaloides. 1. Nicandra. *Pers. syn.* 1. *p.* 219.
Atropa physaloides. *Willd. sp. pl.* 1. *p.* 1017.
Calydermos erosus. *Fl. peruv.* 2. *p.* 44.
Icon. *Feuil. peruv. t.* 16.
In cultivated ground, near gardens: Pensylvania to Virginia; introduced. ⊙. July, Aug. *v. v.* Flowers blue.

195. SAMOLUS. *Gen. pl.* 294.

Valerandi. 1. S. foliis obovatis, racemis elongatis, pedicellis medio bracteatis.—*Willd. sp. pl.* 1. *p.* 927.
Icon. *Fl. dan.* 198. *Engl. bot.* 703.
In marshes and near springs: Canada to Carolina; frequent. ♃. July, Aug. *v. v.* Flowers white, small.

196. PINCKNEYA. *Mich. fl. amer.* 1. *p.* 103.

pubescens. 1. P. foliis ovalibus utrinque acutis subtus subtomentosis. *Mich. fl. amer.* 1. *p.* 105.
Icon. *Mich. l. c. t.* 13.
On the banks of the river St. Mary, Georgia. ♄. July, Aug. *v. v.* Flowers blush-red, marked with purple lines, in large clusters. Each flower has one of the divisions of the calyx grown out to a large white leaf, tinged with red, which makes this shrub highly ornamental. It is only to be regretted, that it is very shy of cultivation. The small difference of its fruit from *Cinchona* only makes it excusable to keep it separate from that genus; but I have no hesitation in saying, that if *Pinckneya* is not united with *Cinchona*, there will be some of the latter genus found belonging to *Pinckneya*.

197. CAMPANULA. *Gen. pl.* 889.

C. glabra; foliis radicalibus reniformi-cordatis crenatis; caulinis linearibus integris, panicula laxa pauciflora, floribus nutantibus.—*Willd. sp. pl.* 1. *p.* 892. *rotundifolia*

Icon. *Fl. dan.* 855. *Engl. bot.* 866.

On rocks on the banks of the Susquehanna and in Canada. ♃. July, Aug. *v. v.* Flowers azure blue, of considerable size.

C. glabra; caule erecto-flexuoso, ramulis confertis foliosis, foliis lanceolatis subremote serratis, floribus breviter pedicellatis nutantibus.—*Mich. fl. amer.* 1. *p.* 109. *flexuosa.*

On high mountains: Virginia and Carolina. ♃. Aug. Sept. *v. v.* Flowers small, pale blue.

C. glabra, nitida, erecta; foliis membranaceis remote serratis, panicula ramulis subaphyllis divaricatis, floribus nutantibus.—*Mich. fl. amer.* 1. *p.* 109. *divaricata.*

On slate mountains in Virginia and Carolina. ♃. July, Aug. *v. v.* Flowers small, azure blue; a very graceful perennial.

C. glabra; foliis cordatis lanceolatisque serratis, petiolis inferioribus ciliatis, floribus axillaribus sessilibus, corollis 5-partitis planis, stylis corolla longioribus. *Willd. sp. pl.* 1. *p.* 898. *americana.*

In shady wet places: Pensylvania to Virginia. ☌. June, July. *v. v.* Flowers small, pale blue, two or three in the axillæ of the leaf, nearly sessile; plant from two to three feet high.

C. glabriuscula, erecta; foliis ovato-lanceolatis in longum acumen desinentibus subserratis, spica fasciculato-multiflora, corollis subrotatis.—*Mich. fl. amer.* 1. *p.* 108. *acuminata.*

C. nitida. *Ait. kew.* 1. *p.* 346.

Icon. *Dodart. mem.* 4. *t.* 18.

On the high mountains of Pensylvania and Virginia. ♃. July, Aug. *v. v.* Flowers in size and colour resemble the fourth species.

C. gracilis; caule simplici angulato, angulis foliorumque margine et nervo retrorsum aculeatis, foliis linearibus lanceolatis supra glabris, pedunculis paucis in summitate caulis flexuosis axillaribus unifloris filiformibus. *aparinoides.*

In low inundated meadows, generally in company with *Veronica scutellata*: Pensylvania to Virginia. ○. July. *v. v.* Flowers small, pale blue.

perfoliata. 7. C. caule simplici erecto, foliis cordatis crenat caulibus, floribus axillaribus sessilibus *Willd. sp. pl.* 1. *p.* 915.
C. amplexicaulis. *Mich. fl. amer.* 1. *p.* 108.
Icon. *Moris. hist.* 2. *s.* 5. *t.* 2. *f.* 23. *Barr. r*
In cultivated grounds: common from North
⊙. May—Aug. *v. v.* Flowers small, pal

198. CHIOCOCCA. *Gen. pl.* 315.

racemosa. 1. C. foliis ovato-oblongis acutis planis, racemis axillaribus pedunculatis simplicibus.—*Willd. sp. pl.* 1. *p.* 975.
Icon. *Dill. elth. t.* 228. *f.* 295. *Bot. rep. t.* 284.
On the sea-shore of Georgia and Florida. *Michaux.* ♄. July. *v. v.* Flowers yellowish-white. It appears to differ in some respects from the West Indian plant, but can be considered nothing more than a variety.

199. CAPRIFOLIUM. *Juss. gen. pl.* 235.

sempervirens. 1. C. spicæ verticillis subnudis distantibus, corollis subæqualibus: tubo superne ventricoso, foliis obovatis ovatisque subtus glaucis: summis connato-perfoliatis.—*Willd. sp. pl.* 1. *p.* 983. *sub Lonicera.*
Icon. *Bot. mag.* 781. *Schmidt arb.* 104.
In stony dry woods: New York to Carolina. ♄. May—Aug. *v. v.* Flowers a beautiful scarlet outside and yellow inside; there are several varieties of it, particularly one with an almost upright stem.

ciliosum. 2. C. spicæ verticillis approximato-capitatis subsessilibus, corollis subæqualibus: tubo hirsuto medio ventricoso, foliis subamplexicaulibus sessilibus petiolatisque ovatis subtus glaucis, margine conspicue ciliatis: summis connato-perfoliatis.
On the banks of the Kooskoosky. *M. Lewis.* ♄. June. *v. s. in Herb. Lewis.* Flowers of a deep yellow.

Fraseri. 3. C. spicæ verticillis capitatis, corollis subringentibus: laciniis oblongis obtusis, foliis ovatis subtus glaucis cartilagineo-marginatis: summis connato-perfoliatis.
Lonicera flava. *Bot. mag.* 1318.
On the Paris mountains, South Carolina. *Fraser.* On the Catskill mountains, New York, &c. ♄. June, July. *v. v.* Flowers bright yellow.

4. C. spicæ verticillis approximatis, corollis ringentibus: tubo elongato, foliis perennantibus obovatis submucronatis subtus reticulato-venosis pallidioribus: summis connato-perfoliatis.—*Willd. sp. pl.* 1. *p.* 984. *sub Lonicera.* *gratum.*

Icon. *Hort. angl.* 15. *n.* 10. *t.* 8.

On the mountains, rambling among rocks in shady moist situations: New York to Carolina; rare. ♄. June—Sept. *v. v.* Flowers inclining to scarlet.

5. C. spicæ verticillis capitatis subsessilibus, corollis brevi- usculis ringentibus basi gibbis, filamentis barbatis, foliis deciduis subtus glaucis: omnibus connatis: bractea perfoliata floribus multo ampliore.—*Lam. encycl.* 1. *p.* 728. *parviflorum.*

Lonicera dioica. *Willd. sp. pl.* 1. *p.* 983.

Lonicera media. *Murr. com. gœtt.* 1776. *p.* 28. *t.* 3.

Caprifolium bracteosum. *Mich. fl. amer.* 1. *p.* 105.

Icon. *Murr. com. gœtt. t.* 3. *Schmidt arb.* 109.

In rocky shady situations: New England to Carolina. ♄. June, July. *v. v.* Flowers yellow, smaller than in any of the foregoing species. There is a variety with purplish flowers, according to Michaux, which I never observed myself.

200. XYLOSTEUM. *Juss. gen. pl.* 235.

1. X. baccis distinctis, foliis ovatis subcordatisque margine ciliatis: junioribus subtus villosis, corollis conspicue calcaratis: tubo superne ventricoso: laciniis brevibus acutis, stylo exerto. *ciliatum.*

Xylosteum tartaricum. *Mich. fl. amer.* 1. *p.* 106?

β. baccis albis. *album.*

On mountains, among rocks, in rich soil: Canada to Virginia. β. On the Rocky mountain. *M. Lewis.* ♄. June, July. *v. v.* Flowers white, with a tinge of red or yellow. *X. tartaricum* differs materially from this species, and the diagnosis might be thus: X. *tartaricum*; baccis distinctis, foliis ovatis acutis utrinque glabris, corollis basi vix gibbosis: tubo brevi: laciniis oblongis obtusis, stylo incluso.

2. X. baccis distinctis, ramis villosis, foliis oblongo-ovalibus obtusis utrinque subtomentoso-villosissimis, pedunculis brevibus. *Mich. fl. amer.* 1. *p.* 106. *villosum.*

On rocks in the mountains of Canada. *Michaux.* ♄.

+ Berries blue.—Whether this is really a distinct

species from *X vulgare*, I cannot ascertain never seen the plant.

201. SYMPHORIA. *Juss. Pers. syn.* 1. *p.*

glomerata. 1. S. floribus axillaribus subcapitato-glomeratis. *Pers. syn. l. c.*
S. vulgaris. *Mich. fl. amer.* 1. *p.* 106.
Lonicera symphoricarpos. *Willd. sp. pl.* 1. *p.* 989.
Icon. *Schmidt arb.* 115. *Dill. elth. t.* 278. *f.* 360.
In sandy dry fields: Virginia and Carolina. ♄. July—Sept. *v. v.* Flowers small, red and yellow; berries purple.

racemosa. 2. S. racemo terminali, corolla intus barbata. *Mich. fl. amer.* 1. *p.* 107.
On mountains, near lake Mistassins. *Michaux.* On the banks of the Missouri. *M. Lewis.* ♄. Aug. *v. s. in Herb. Lewis.*

202. DIERVILLA. *Juss. gen. pl.* 235.

lutea. 1. D. pedunculis axillaribus et terminalibus dichotomis trifloris, foliis ovatis serratis acuminatis.
D. Tournefortii. *Mich. fl. amer.* 1. *p.* 107.
D. humilis. *Pers. syn.* 1. *p.* 214.
Lonicera Diervilla. *Willd. sp. pl.* 1. *p.* 989.
Icon. *Schmidt arb.* 116. *Duham. arb. t* 87.
On rocks and the highest mountains: Canada to Carolina. ♄. June, July. *v. v.* Flowers yellow; fruit a brown dry capsule. There are a number of varieties, in respect to size, flowers and leaves.

203. TRIOSTEUM. *Gen. pl.* 300.

perfoliatum. 1. T. foliis ovalibus acuminatis connatis, floribus sessilibus verticillatis.—*Willd. sp. pl.* 1. *p.* 990.
Icon. *Dill. elth. t.* 293. *f.* 378.
In rich rocky grounds, principally lime-stone soil: New England to Carolina; rare. ♃. June—Aug. *v. v.* Flowers and berries dark purple.

angustifolium. 2. T. foliis ovali-lanceolatis subconnatis, pedunculis oppositis unifloris, caule hispido.—*Willd. sp. pl.* 1. *p.* 991.
T. minus. *Mich. fl. amer.* 1. *p.* 107.
Icon. *Pluk. alm. t.* 104. *f.* 2.
On the borders of woods, in sandy soil: Virginia and

Carolina. ♃. June, July. *v. v.* Flowers and berries yellow.

204. RIBES. *Gen. pl.* 390.

1. R. inerme; foliis abbreviatis acute lobatis glabriusculis: nervis albidis, racemis recurvatis, baccis glabris.—*Mich. fl. amer.* 1. *p.* 110. *albinervium.*

On lake Mistassins: Canada. *Michaux.* On the Catskill mountains: New York, &c. ♄. April, May. *v. v.* Flowers small, greenish-yellow; berries red.

2. R. inerme; foliis modice lobatis supra glabris subtus pubescentibus, racemis laxis pubescentibus, floribus planiusculis, laciniis calycinis subtrifidis, petalis spathulatis obtusis, baccis hirsutis.—*Mich. fl. amer.* 1. *p.* 110. *trifidum.*

In Canada. *Michaux.* On the Pensylvania mountains, &c. ♄. April, May. *v. v.* Flowers greenish-yellow; petals purple; berries red.

3. R. inerme; ramis rectis, foliis acute lobatis dentatisque reticulato-rugosis subtus pubescentibus, racemis laxis rigescenti-erectis, baccis hispidulis.—*Mich. fl. amer.* 1. *p.* 110. *rigens.*

On lake Mistassins: Canada. *Michaux.* In the Pensylvania mountains, &c. ♄. May, June. *v. v.* Berries red, erect as well as the flowers.

4. R. inerme; ramis reclinato-prostratis, foliis lobatis glabriusculis; junioribus pubescentibus, racemis suberectis, calycibus planiusculis, petalis deltoideis, bracteis minutis, baccis hispidis.—*L'Herit. stirp.* 1. *p.* 3. *prostratum.*

R. glandulosum. *Ait. kew.* 1. *p.* 41.

Icon. *L'Herit. l. c. t.* 2. *Schmidt arb.* 95.

In rocky moist places: Newfoundland, Canada, Pensylvania. ♄. April, May. *v. v.* Flowers yellow tinged with red; berries red.

5. R. inerme; omnibus partibus pilis resinoso-glandulosis tectum; foliis 3—5-lobatis subrotundis, racemis erectis, calycibus planiusculis, petalis obtuse-rhomboideis, bracteis linearibus pedicello longioribus, baccis hirsutis. *resinosum.*

On the mountains of North America. *Fraser.* ♄. April, May. *v. v. in Hort.* Flowers green.

6. R. inerme; omnibus partibus pilis viscidis tectum; foliis cordatis obtuse-trilobis serratis, racemis erectis brevi- *viscosissimum.*

bus, calycibus tubulatis, petalis oblongis, bracteis lineari-spathulatis pedicello duplo brevioribus, germinibus hirsutis.

On the Rocky-mountain in the interior of North America. *M. Lewis.* ♄. June. *v. s. in Herb. Lewis.* Flowers large, yellow; the whole plant covered with viscous hair. This species approaches near to *R. glandulosum. Fl. peruv.* 3. *p.* 13. *t.* 233. *f. b.* It differs principally in the leaves being equally lobated, not having the middle lobe projecting; its long slender pedicels, and its petals.

sanguineum. 7. R. inerme; foliis cordatis trilobis serratis venoso-lineatis supra glabris, subtus tenui tomento albicantibus, racemis laxis pubescentibus foliis duplo longioribus, calycibus tubulatis, petalis oblongis longitudine calycis, bracteis obovato-spathulatis longitudine pedicellorum, germinibus hirsutis.

On the Columbia river. *M. Lewis.* ♄. March. *v. s. in Herb. Lewis.* Flowers beautiful, of a blood red or purple; branches purple. It approaches near to *R. albinervium. Fl. peruv.* 3. *p.* 12. *t.* 232. *f. b.*

aureum. 8. R. inerme, glaberrimum; foliis trilobis: lobis divaricatis inciso-pauci-dentatis petiolo basi ciliato-brevioribus, racemis laxis dense-multifloris, calycibus tubulatis pedicellis longioribus: tubo gracili: laciniis oblongis obtusis, petalis linearibus laciniis calycis duplo brevioribus, bracteis linearibus longitudine pedicellorum baccis glabris.

On the banks of the rivers Missouri and Columbia. *M. Lewis.* ♄. April. *v. s. in Herb. Lewis.*; *v. v. in Hort.* Flowers in close racemes, beautiful golden yellow; berries red or brown, of an exquisitely fine taste, and considerably larger size than any of the garden currants. The shrub before flowering has the appearance of a species of *Cratægus.*

recurvatum. 9. R. inerme; ramis recurvatis, foliis latiusculis acute-lobatis pubescentibus glanduloso-punctatis, racemis reflexis, calycibus tubulatis glabris.

Near Hudson's Bay, Canada. *Michaux.* ♄. +. Berries black.

floridum. 10. R. inerme; foliis utrinque punctatis, racemis pendulis calycibus cylindraceis, bracteis pedicellis longioribus *Willd. sp. pl.* 1. *p.* 1156.

R. pensylvanicum. *Lam. encycl.* 3. *p.* 47.

Icon. *Dill. elth. t.* 244. *f.* 315. *Schmidt arb.* 92.
In hedges and woods: Canada to Virginia. ♄. April, May. *v. v.* Flowers pale yellow; berries black.

11. R. spina subaxillari; foliis suborbiculatis subpubescentibus: lobis subrotundo-obtusis, pedunculis unifloris, limbo calycis tubuloso, baccis glabris. *Mich. fl. amer.* 1. *p.* 110. *rotundifolium.*
On the high mountains of Carolina. *Michaux.* ♄. +.

12. R. spinula subaxillari, ramis subhispidis foliis parvis semitrifidis: lobis subdentatis, pedunculis unifloris, baccis glabris.—*Mich. fl. amer.* 1. *p.* 111. *hirtellum.*
Among rocks, in the Allegany mountains: Canada to Virginia. ♄. May, June. *v. v.* Berries red.

13. R. spinula subaxillari, foliis petiolis gracilibus utrinque pubescentibus: lobis acutis dentato-incisis, pedunculis capillaribus subbifloris, calycibus tubulato-campanulatis, baccis glabris.—*Mich. fl. amer.* 1. *p.* 111. *gracile.*
On rocks and in mountain meadows; New York to Carolina. ♄. April—June. *v. v.* Berries purple or blue, of excellent taste.

14. R. spina subaxillari, foliis glabris 3—5-lobatis incisodentatis, pedunculis subtrifloris: pedicellis elongatis, bracteis brevissimis, petalis spathulatis undulatis, stylo hirsuto semibifido exerto, baccis glabris.—*Willd. hort.* 1. *p.* 61. *trijlorum.*
Icon. *Willd. l. c. t.* 61.
On the Blue mountains: Pensylvania to Virginia. ♄. May, June. *v. v.* Flowers yellowish-green; petals white; berries pale red, small.

15. R. aculeis majoribus et subsolitariis ad gemmas, minoribus undique sparsis, foliis glabris: lobis dentatis, pedunculis brevibus subbifloris, baccis glabris.—*Willd. sp. pl.* 1. *p.* 1159. *oxyacanthoides.*
Icon. *Dill. elth. t.* 139. *f.* 166.
On rocks: Canada, New York, &c. ♄. April, May. *v. v.*

16. R. spina subaxillari multiplici, caule undique hispido-aculeato, foliis ultra medium lobatis, petiolis villosis, baccis racemosis hispidis.—*Pers. syn.* 1. *p.* 252. *lacustris.*
R. oxyacanthoides. *Mich. fl. amer.* 1. *p.* 111.
In swamps, on the mountains: Canada to Virginia. ♄. April—June. *v. v.* Flowers small, greenish-yellow; berries amber-coloured or brown.

Cynosbati. 17. R. passim subgeminis 2-aculeatum, foliis brevi-lobatis inciso-dentatis molliter pubescentibus, racemis nutanti-pauciforis, calycibus erecto-campanulatis, baccis aculeatis.—*Mich. fl. amer.* 1. *p.* 111. *Willd. sp. pl.* 1. *p.* 1159.

Icon. *Jacq. hort.* 2. *t.* 123. *Schmidt arb.* 98.

On the sides of hills and rocks in the Allegany mountains, and in Canada. ♄. April—June. *v. v.* Flowers green; berries dark brown and full of thorns.

205. RHAMNUS. *Gen. pl.* 358.

frangulaides. 1. R. inermis; foliis ovalibus acuminatis serrulatis subtus ad nervos pubescentibus, floribus dioicis, pedunculis unifloris aggregatis, calycibus acutis, fructibus turbinatis.—*Mich. fl. amer.* 1. *p.* 153.

R. alnifolius. *Willd. sp. pl.* 1. *p.* 1100.

On dry hills, near rivers: Canada to Virginia. ♄. June, July. *v. v.*; *v. s. in Herb. Lambert.* Flowers green; berries black; leaves small.

alnifolius. 2. R. inermis; foliis ovalibus denticulatis brevi-acuminatis basi sinu parvo cordatis subtus ad nervos pubescentibus, pedunculis bis bifidis, baccis depresso-globosis.

On the banks of the river Kooskooskky. *M. Lewis.* ♄. May. *v. s. in Herb. Lewis.* Berries purple, very highly esteemed by the Indians of that country.

carolinianus. 3. R. inermis; foliis ovali-oblongis integriusculis glabris, umbellis pedunculatis, floribus hermaphroditis 4-andris 1-gynis, stigmate bilobo, fructibus globosis.—*Mich. fl. amer.* 1. *p.* 153.

In woods and swamps: Virginia and Carolina. ♄. May—July. *v. v.* Berries black.

lanceolatus. 4. R. inermis, arborescens; foliis lanceolatis serrulatis utrinque acutis subtus pubescentibus.

On the side of hills: Tennassee. *Lyon.* ♄. *v. s. in Herb. Lyon.* Berries black.

minutiflorus. 5. R. inermis; foliis suboppositis ovalibus serrulatis, floribus minutissimis dioicis spicatis in rachi alterne sessilibus, stylo 3-fido, bacca 3-sperma. *Mich. fl. amer.* 1. *p.* 154.

On the sea-coast of Carolina and Florida. *Michaux.* ♄. +.

206. CEANOTHUS. *Gen. pl.* 361.

1. C. foliis ovatis acuminatis serratis triplinervibus subtus nervis venisque pubescentibus, paniculis axillaribus longe pedunculatis, pedicellis corymbosis. *Willd. sp. pl.* 1. *p.* 1114. *americanus.*

Icon. *Duham. arb.* 51. *Schmidt arb.* 132.

In dry woods; common: Canada to Florida. ♄. May, June. *v. v.* Flowers small, white. It is commonly called *New Jersey-tea* or *Red-root*; having been actually used in the American war as a substitute for tea.

2. C. foliis oblongo-ovalibus acutis mucronato-serrulatis triplinervibus subtus pubescentibus, paniculis axillaribus longissime pedunculatis, pedicellis corymbosis laxis. *intermedius.*

Icon. *Pluk. alm. t.* 28. *f.* 6.

In the woods of Tennassee. *Lyon.* ♄. June, July. *v. v.* Leaves not one fourth the size of the foregoing species.

3. C. foliis obovatis serratis subtus pubescentibus, paniculis axillaribus thyrsoideis brevissime pedunculatis, pedicellis aggregatis. *sanguineus.*

Near the Rocky mountains on the banks of the Missouri. *M. Lewis.* ♄. May, June. *v. s. in Herb. Lewis.* Branches blood-red or purple; panicles not longer than the leaves.

4. C. foliis ovalibus subserrulatis glabris, paniculis thyrsoideis terminalibus axillaribusque. *perennis.*

On rocks near rivers: Virginia and Carolina. ♃. May. *v. v.* Leaves the size of the first species, but smooth; the stems scarcely ever remain over winter, but die down to the root.

5. C. subdecumbens; foliis minutis subfasciculatis oblongis subintegerrimis glabriusculis, corymbulis terminalibus. *Mich. fl. amer.* 1. *p.* 154. *microphyllus.*

In sandy woods: Carolina to Florida. ♄. May, June. *v. v.* A very delicate little shrub, the root of which, alike all the foregoing species, is large and red, from which they derive the name of *Red-root.*

207. CELASTRUS. *Gen. pl.* 372.

1. C. inermis, scandens; foliis oblongis acuminatis serratis, racemis terminalibus. *Willd. sp. pl.* 1. *p.* 1125. *scandens.*

Icon. *Duham. arb.* 95. *Schmidt arb.* 140.
In hedges and woods, among rocks: Canada to Virginia. ♄. May, June. *v. v.* Flowers pale yellow; berries orange-scarlet.

bullatus. 2. C. inermis; foliis ovatis acutis integerrimis, panicula terminali. *Willd. sp. pl.* 1. *p.* 1123.
Icon. *Pluk. alm. t.* 28. *f.* 5.
In Virginia. ♄. +. Notwithstanding all my diligent researches at the place of its supposed nativity, as in the Herbariums of Plukenet and Banister, the British Museum, I have not been able to find information respecting this species: consequently strongly suspect its not being an American plant.

208. EVONYMUS. *Gen. pl.* 1. *p.* 373.

americanus. 1. E. ramis 4-angulatis, foliis subsessilibus ellipticeolatis acutis serratis, pedunculis subtrifloris, floribus omnibus 5-fidis, fructibus verrucoso-muricatis. *Willd. sp. pl.* 1. *p.* 1132.
Icon. *Pluk. alm. t.* 115. *f.* 5. *Schmidt arb.* 75.
In hedges and shady woods, among rocks, and on the edges of swamps: New England to Carolina. ♄. June, July. *v. v.* Flowers yellow, tinged with red; fruit scarlet, resembling those of *Arbutus Unedo* at first sight. They are a great ornament to this almost evergreen shrub. The common name in America is *Burning-bush.*

angustifolius. 2. E. ramis 4-angulatis, foliis subsessilibus elongato-linearielipticis subfalcatis subintegerrimis, pedunculis plerumque unifloris, floribus omnibus 5-fidis, fructibus verrucoso-muricatis.
In shady woods: Georgia. *Lyon.* ♄. June, July. *v. v.* Flowers and fruit the same as the first. Though nearly related to it, it is propagated by seed and keeps its own distinction, according to information from Mr. Lyon.

atropurpureus. 3. E. foliis petiolatis oblongo-lanceolatis acuminatis, pedunculis divaricatis multifloris, floribus 4-fidis, fructibus lævibus.—*Willd. sp. pl.* 1. *p.* 1132.
Icon. *Jacq. hort.* 2. *t.* 120. *Schmidt arb.* 73.
On the banks of rivulets: New York to Carolina. June, July. *v. v.* Flowers dark purple; fruit

209. VITIS. *Gen. pl.* 396.

1. V. foliis lato-cordatis sublobato-angulatis subtus incano-tomentosis, racemis fertilibus parvis, baccis majoribus. *Labrusca.*
Mich. fl. amer. 2. *p.* 230. *Willd. sp. pl.* 1. *p.* 1181.
V. taurina. *Walt. fl. car.* 242.
Icon. *Jacq. schœnbr.* 426.
In shady woods: Canada to Florida. ♄. June, July. *v. v.* Berries black, large, of a disagreeable fox-smell, commonly called *Fox-grape.* There is a variety with white berries called *Bland's-grape.*

2. V. foliis lato-cordatis 3—5-lobis: junioribus subtus rufo-tomentosis, racemis fertilibus oblongis, baccis parvis.—*Mich. fl. amer.* 2. *p.* 230. *æstivalis.*
V. vulpina. *Willd. sp. pl.* 1. *p.* 1181.
V. Labrusca. *Walt. fl. car.* 242.
Icon. *Jacq. schœnbr.* 425.

β. V. foliis sinuato-palmatis grosse dentatis: sinubus rhomboideis. An species distincta? sinuata.
In fields and woods: Virginia to Carolina. ♄. May, June. *v. v.* Berries dark blue, very agreeable to eat, and frequently converted into very good home-made wine. It is known by the name of *Summer-grape.*

3. V. foliis cordatis acuminatis inciso-dentatis utrinque glabris, racemis laxe multifloris, baccis parvis.—*Mich. fl. amer.* 2. *p.* 231. *cordifolia.*
V. incisa. *Jacq. schœnbr.* 427.
V. vulpina. *Walt. fl. car.* 243.
Icon. *Jacq. l. c.*
On the edges of rivers and in woods: Canada to Florida. ♄. June, July. *v. v.* Berries green or amber-coloured, small, and ripen extremely late, of a very tart taste: commonly called *Winter-grape* or *Chicken-grape.*

4. V. foliis inæqualiter inciso-dentatis breviuscule 3-fidis: petiolo nervis margineque pubescentibus. *Mich. fl. amer.* 2. *p.* 231. *riparia.*
V. odoratissima. *Donn catal.* 66.
On the gravelly shores and islands of the rivers: Pensylvania to Carolina, ♄, May—July. *v. v.* Flowers of an exquisitely fine smell, somewhat resembling *Reseda odorata.* Female plants are very seldom found north of the Potowmac river, though the male extend very far beyond it.

5. V. utrinque lucidis reniformi-cordatis subæqualiter den- *rotundifolia.*

tatis, racemorum floribus pluries capitulatis, baccis magnis. *Mich. fl. amer.* 2. *p.* 231.

On river sides and islands: Virginia to Florida. ♄. June, July. *v v.* Berries very large, dark blue, agreeable, commonly called *Bull-* or *Bullet-grapes.*

palmata. 6. V. foliis cordatis palmatis glabris: laciniis lanceolatis incisis, umbellis racemosis. *Willd. sp. pl.* 1. *p.* 1180.

In Virginia. *Vahl.* ♄. +.

210. CISSUS. *Gen. pl.* 655.

Ampelopsis. 1. C. foliis truncato-cordatis acuminatis dentatis angulatisque: nervis subtus pubescentibus, racemis duplicato-bifidis.—*Pers. syn.* 1. *p.* 142.

Ampelopsis cordata. *Mich. fl. amer.* 1. *p.* 159.

On river sides and among hedges, in the Alleganian mountains: Pensylvania to Carolina. ♄. June, July. *v* Berries pale red.

hederacea. 2. C. radicans, scandens; foliis quinato-digitatis subtus glabris: foliolis petiolatis oblongis acuminatis grosse-dentatis, pedunculis dichotomis: racemis corymbosis.—*Pers. syn.* 1. *p.* 143.

Ampelopsis quinquefolia. *Mich. fl. amer.* 1. *p.* 160.

Vitis hederacea. *Willd. sp. pl.* 1. *p.* 1182.

Hedera quinquefolia. *Linn. hort. cliff.* 74.

Icon. *Corn. canad. t.* 100.

hirsuta. β. C. foliis utrinque pubescentibus: foliolis ovatis acuminatis grosse-dentatis.

Ampelopsis hirsuta. *Donn catal.* 166.

On the Allegany mountains: Pensylvania to Virginia. ♄. *v. v.* The variety β. appears to be a distinct species; but, as I never have seen its flowers, a sufficient character is wanting.

stans. 3. C. foliis bipinnatis: foliolis inciso-serratis, racemis pedunculatis duplicato-bifidis.—*Pers. syn.* 1. *p.* 143.

Ampelopsis bipinnata. *Mich. fl. amer.* 1. *p.* 160.

Vitis arborea. *Willd. sp. pl.* 1. *p.* 1183.

Icon. *Pluk. mant. t.* 412. *f.* 2.

In shady woods, on river sides; Virginia and Carolina. ♄. June, July. *v. v.* Stem upright.

211. CYRILLA. *Linn. Mich. fl. amer.* 1. *p.* 157.

carolinana. 1. C. foliis cuneato-lanceolatis acutis membranaceis nervosis, spicis gracilibus, petalis pedicello longioribus. *Mich. fl. amer.* 1. *p.* 158.

C. racemiflora. *Linn. mant.* 50.
Itea Cyrilla. *Willd. sp. pl.* 1. *p.* 1146.
Icon. *Jacq. ic.* 1. *t.* 47. *L'Herit. stirp.* 1. *t.* 66.
In sandy swamps of Carolina. ♄. June, July. *v. v.*
A very elegant shrub; flowers white.

212. ITEA. *Gen. pl.* 381. *Mich. gen. pl.* 1. *p.* 156.

1. I. foliis oblongis serratis, spicis pubescentibus.—*Willd. sp. pl.* 1. *p.* 1146. *virginica.*
Icon. *Duham. arb.* 1. *t.* 126.
In swamps: Pensylvania to Carolina. ♄. June, July. *v. v.* From four to six feet high: flowers white.

213. IMPATIENS. *Gen. pl.* 1365.

1. I. pedunculis multifloris solitariis, foliis ovatis obtuse dentatis, geniculis caulinis tumentibus.—*Willd. sp. pl.* 1. *p.* 1176. *Nolitangere.*
Icon. *Fl. dan.* 588. *Engl. bot.* 937.
Near springs and rivulets, in shady places: New England to Carolina. ⊙. June, July. *v. v.* Flowers plain yellow.

2. I. pedunculis plerumque bifloris solitariis, foliis ovatis argute dentatis.—*Willd. sp. pl.* 1. *p.* 1175. *Walt. fl. car.* 219. *biflora.*
In wet shady places: Canada to Carolina. ⊙. June, July. *v. v.* Flowers dark yellow, with red spots on the inside.

214. VIOLA. *Gen. pl.* 1364.

* *Acaules.*

1. V. foliis subpedato-multipartitis: laciniis lineari-lanceolatis subintegris, calycis laciniis linearibus acutis.—*Willd. sp. pl.* 1. *p.* 1160. *pedata.*
Icon. *Bot. mag.* 89. *Bot. rep.* 153.
On dry sandy hills and fields: New England to Carolina. ♃. May, June. *v. v.* Flowers large, beautiful blue. There is a very handsome variety with pale blue petals, ornamented with a dark purple velvet at the bottom, similar to *Viola tricolor.*

2. V. foliis palmato-5—7-lobatis postice in petiolum attenuatis: lobis integris. *digitata.*
In Virginia. *Leconte in litt.* ♃. May. *v. s.* Flowers pale blue.

palmata. 3. V. pubescens; foliis cordatis hastato-lobatis palmatisve; laciniis dentatis, calycis laciniis lanceolatis glabris, petalis 2. oppositis basi barbatis.—*Willd. sp. pl.* 1. *p.* 1159.

Icon. *Bot. mag.* 535. *Pluk. alm. t.* 447. *f.* 1.

On dry hills and pastures, generally in sandy soil. ♀. April—June. *v. v.* Flowers blue; early in spring the leaves are generally kidney-shaped, and after the first flowers are gone they become palmated; sometimes it occurs with smooth leaves.

sagittata. 4. V. pubescens; foliis oblongis acutis cordato-semi-subserratis basi incisis, pedunculis foliis longioribus, calycis laciniis linearibus glabris, petalis 3. inferioribus basi barbatis.—*Willd. sp. pl.* 1. *p.* 1160.

On dry hills: New England to Virginia. ♀. May, June. *v. v.* Flowers blue; lower petal white towards the bottom, with purple veins; the rest narrower, and white towards the base.

dentata. 5. V. glabra; foliis oblongis acutis basi truncatis interne subhastato-grandi-dentatis, pedunculis brevioribus, calycis laciniis linearibus, petalis 3. inferioribus basi barbatis.

In wet meadows and woods: Pensylvania. ♀. May, June. *v. v.* Flowers of nearly the same colour and shape as the preceding species.

lanceolata. 6. V. glabra; foliis lanceolatis subserratis, pedunculis vix foliis longioribus, petalis imberbibus: 2. superioribus subrotundis.—*Willd. sp. pl.* 1. *p.* 1161.

In overflowed meadows: Canada to Pensylvania. ♀. June, July. *v. v.* Flowers white; the upper petal painted with purple veins. There are several varieties of this species, some with ovate leaves attenuated in a petiole, some exceeding small, &c.

blanda. 7. V. glabra; foliis cordatis acutiusculis planiusculis remote serratis, pedunculis longitudine foliorum, petalis imberbibus: 2. lateralibus brevioribus, infimo reliquis longiore lanceolato.—*Willd. hort. berol.* 1. *t.* 24.

In wet places, bog-meadows: New York to Carolina. ♀. April—June. *v. v.* Flowers yellowish white; lower petal marked with blue stripes and veins.

obliqua. 8. V. glabra; foliis cordatis acutis crenato-serratis planiusculis, floribus erectis, pedunculis longitudine foliorum, petalis oblique flexis: lateralibus angustioribus et lon-

gioribus infra medium barbatis.—*Willd. sp. pl.* 1. *p.* 1161.

In shady wet places: Pensylvania to Virginia. ♃. April—June. *v. v.* Flowers white with purple and yellow veins.

9. V. pubescens; foliis ovatis subcordatis crenatis: petiolis marginatis, calycibus ciliatis longis, petalis omnibus obovatis: 2. lateralibus barbatis.—*Willd. sp. pl.* 1. *p.* 1162. *primulifolia.*

On dry hills: Canada to Virginia. ♃. April—June. *v. v.* Flowers blue.

10. V. glabra; foliis cordatis glabris serratis basi cucullatis, pedunculis longitudine petiolorum, petalis oblique flexis: lateralibus barbatis.—*Willd. sp. pl.* 1. *p.* 1162. *cucullata.*

In grassy wet places: common. ♃. May, June. *v. v.* Flowers blue, white at their base.

11. V. foliis cordatis crenato-serratis obtusis subtus pubescentibus, pedunculis foliis brevioribus, petalis oblongis: infimo basi barbato.—*Willd. hort. berol.* 1. *t.* 72. *sororia.*

In overflowed meadows: Pensylvania, &c. ♃. April—June. *v. v.* Flowers blue, white at the bottom; lower petal veined.

12. V. foliis triangulari-cordatis acutis crenatis subcucullatis glabriusculis, pedunculis longitudine foliorum, petalis obovatis: 3. inferioribus infra medium barbatis conniventibus, 2. superioribus reflexis. *papilionacea.*

Near Philadelphia, in wet places. ♃. May, June. *v. v.* Flowers blue, elegantly striated and bearded with yellow down.

13. V. glabriuscula; foliis suborbiculatis obtusiusculis sinu clauso cordatis crenato-serratis: serraturis glandulosis, stolonibus floriferis, petalis linearibus calyce vix longioribus. *clandestina.*

V. *rotundifolia. Mich. fl. amer.* 2. *p.* 150?

On the high mountains of Pensylvania, in shady beech woods, among rotten wood and rich vegetable mould ♃. June—Sept. *v. v.* This singular species differ from all the rest, in producing its flowers as it were under ground, as they always are covered with rotten wood or leaves; they are of a chocolate brown, very small; the seed-vessel buries itself still deeper in the ground, and is large in proportion to the plant. The inhabitants know it by the name of *Heal-all*, being used by them in curing all kinds of wounds or sores.

** *Caulescentes.*

canadensis. 14. V. glabriuscula; foliis subcordatis acuminatis serratis, pedunculis longitudine foliorum, stipulis brevibus integris.—*Willd. sp. pl.* 1. *p.* 1166.

In shady woods, in rich moist situations: Canada to Carolina, on the mountains. ♃. June—Aug. *v. v.* Flowers outside purplish-blue, inside white gantly veined, sweet scented.

striata. 15. V. glabra; foliis cordatis acuminatis serratis plan pedunculis longissimis, stipulis lanceolatis ser atis.—*Willd. sp. pl.* 1. *p.* 1166.

In shady woods: Pensylvania to Virginia. ♃. July. *v. v.* Flowers white, with purple vein

debilis. 16. V. glabra; foliis reniformi-cordatis brevissime ac tis crenatis basi cucullatis, pedunculis foliis longioribus, stipulis serrato-ciliatis.—*Mich. fl.* 2. *p.* 150.

V. canina *Walt. fl. car.* 219.

In low grounds: Pensylvania to Carolina. ♃. July. *v. v.* Flowers not one half the size preceding species, pale blue.

rostrata. 17. V. glabra; foliis cordatis acutis serratis, pedunculis foli duplo longioribus, stipulis lanceolatis serrato-ciliatis, nectariis rostratis corolla longioribus.

On shady rocks: near Eastown, Pensylvania. ♃. May, June. *v. v.* Flowers blue.

pubescens. 18. V. villoso-pubescens; caule erecto superne folioso, foliis lato-cordatis, stipulis oblongis apice serratis.—*Willd. sp. pl.* 1. *p.* 1166.

V. pensylvanica. *Mich. fl. amer.* 2. *p.* 149.

In shady woods, among rocks, particularly limestone rocks: New York to Virginia. ♃. May, June. *v. v.* Flowers yellow.

hastata. 19. V. glabra; caule simplici superne folioso, foliis hastatis brevissime petiolatis, stipulis minutis denticulatis. *Mich. fl. amer.* 2. *p.* 149.

On high mountains: Pensylvania to Carolina. ♃. May, June. *v. v.* Flowers yellow.

Nuttallii. 20. V. pubescens; caule simplici erecto, foliis ovato-oblongis acutis obsolete-dentatis nervosis, in petiolum longum attenuatis, stipulis lanceolatis integris, pedunculis longitudine foliorum.

On the banks of the Missouri. ♃. June. *v. s. in Herb Nuttall.* Flowers yellow.

Ol. Veronica lanceolata.

21. V. stricte-erecta; foliis lato-lanceolatis stipulisque lanceolato-linearibus integerrimis, pedunculis axillaribus geminis brevissimis.—*Forster in Linn. trans.* 6. *p.* 309. *t.* 28. *concolor.*

V. stricta. *Muhlb. Mss.*

On lime-stone rocks: Pensylvania. ♃. June, July. *v. v.* About two feet high; flowers small, green.

22. V. subpubescens; caule angulato simplici, foliis inferioribus rotundato-spathulatis subdentatis, superioribus lanceolatis integris, stipulis pectinato-pinnatifidis, calycibus acutis corolla duplo brevioribus. *bicolor.*

In fields of Pensylvania and Virginia. ☉. May—July. *v. v.* Flowers small white, with a few purple veins. Nearly approaches to *V. tricolor.* Specimens in the collection of A. B. Lambert, Esq. from Pallas's Herbarium, are the same with this species.

215. CLAYTONIA. *Gen. pl.* 402.

1. C. foliis lineari-lanceolatis, racemis solitariis, calycis foliolis acutiusculis, petalis obovatis retusis, radice tuberosa.—*Willd. sp. pl.* 1. *p.* 1185. *virginica.*

Icon. *Bot. mag.* 941.

In wet woods, round the stumps of rotten trees: New England to Carolina. ♃. March—May. *v. v.* Flowers white, with red veins.

2. C. foliis spathulatis, racemo solitario, calycis foliolis obtusis, petalis subrotundis retusis, radice tuberosa.—*Parad. lond.* 71. *spathulæfolia.*

C. caroliniana. *Mich. fl. amer.* 1. *p.* 160.

Icon. *Parad. lond.* 71. *Pluk. alm. t.* 102. *f.* 3.

On high mountains of Virginia and Carolina. ♃. March, April. *v. v.* Flowers smaller than the first species, rose-coloured with purple veins.

3. C. foliis lanceolatis: caulinis ovatis sessilibus, racemo solitario elongato, calycis foliolis brevibus obtusissimis, petalis cuneatis bifidis, radice tuberosa.—*Pall. Mss.* *lanceolata.*

On the Rocky-mountains. *M. Lewis.* ♃. June. *v. s. in Herb. Lewis.* Flowers white, nearly the size of the first species, without veins. In the collection of A. B. Lambert, Esq. I found a specimen, collected by Pallas in the eastern parts of Siberia, perfectly agreeing with the present species.

4. C. foliis radicalibus spathulato-ovatis, caulinis ovatis distinctis, racemis subgeminatis, floribus secundis, brac- *alsinoides.*

teis ovatis linearibusque, petalis emarginatis, radicibus fibrosis.—*Sims in bot. mag.*

C. sibirica. *Hortul.*

Icon. *Bot. mag.* 1309.

On the Columbia river. *M. Lewis.* ⊙. May, June. *v. v. in Hortis.* Flowers small, white.

perfoliata. 5. C. foliis radicalibus spathulato-rhomboideis: caulino suborbiculato perfoliato, racemis subsolitariis ebracteatis, petalis emarginatis, radicibus fibrosis.—*Donn catal.* 50. *Willd. sp. pl.* 1. *p.* 1186.

C. cubensis. *Humb. & Bonpl. equinoct. t.* 26. *Annales du mus. d'hist. nat.* 7. *p.* 82. *t.* 6.

Icon. *Bot. mag.* 1336.

On the Rocky-mountains. *M. Lewis.* ⊙. April, May. *v. v. in Hort.* Flowers smaller than any of the foregoing species, white.

216. GLAUX. *Gen. pl.* 408.

1. Glaux. *Willd. sp. pl.* 1. *p.* 1216.

Icon. *Fl. dan.* 548.

In overflowed marshes, near the sea: Canada. ♃. July. *v. v.* Leaves oblong, smooth. Flowers axillary, sessile, flesh-coloured.

217. ANYCHIA. *Mich. fl. amer.* 1. *p.* 112.

1. A. caule patulo dichotomo ramosissimo, foliis lanceolatis glabris erectis, stipulis foliolis calyce glabro subæqualibus. *Mich. fl. amer.* 1. *p.* 113.

Queria canadensis. *Willd. sp. pl.* 1. *p.* 494.

Icon. *Ort. dec. t.* 15. *f.* 2.

On dry limestone hills: New York to Kentucky. ♃. June—Aug. *v. v.* Flowers exceeding small; very variable in the number of filaments, generally from two to five.

2. A. humifusa, conferta, undique pubescens; foliis oblongo-ovalibus ciliatis mucronatis, laciniis subulatis: acumine setaceo patuloque. *Mich. fl. amer.* 1. *p.* 113.

On the dry sands of North Carolina. *Michaux.* ♃. +.

argyrocoma. 3. A. cæspitosa, procumbens; caulibus pubescentibus, foliis linearibus acutissimis subpilosis, capitulis fasciculato-terminalibus argenteis, calycis pilosi apicibus barbatis et longe acuminatis. *Mich. fl. amer.* 1. *p.* 113.

On rocks in Upper Carolina and Virginia. ♃. June, July. *v. v.*

218. THESIUM. *Gen. pl.* 410.

1. T erectum : foliis ovali-lanceolatis, fasciculis florum corymboso-terminalibus.—*Willd. sp. pl.* 1. *p.* 1214. *umbellatum.*
T. corymbulosum. *Mich. fl. amer.* 1. *p.* 112.
Icon. *Pluk. mant. t.* 342. *f.* 1.
On dry hills and fields: New York to Carolina. ♃. June, July. *v. v.* Flowers white.

219. NYSSA. *Gen. pl.* 1599.

1. N. foliis oblongis integerrimis utrinque acutis, petiolo, costa media margineque villosis, pedunculis femineis subtrifloris, nucibus brevi-obovatis obtuse striatis.—*Willd. sp. pl.* 4. *p.* 258. *villosa.*
N. multiflora. *Walt. fl. car.* 253.
N. montana. *Hortul.*
Icon. *Mich. arb.* 21. *Wangh amer. t.* 16. *f.* 39.
In all the woods from New England to Carolina. ♄. May. *v. v.* Flowers small, greenish; berries black, the size of a pea. This tree is known by the name of *Sour-gum.*

2. N. foliis ovato-oblongis integerrimis utrinque acutis glabris, pedunculis femineis bifloris, drupis brevi-obovatis: nuce obtuse-striata.—*Willd. sp. pl.* 4. *p.* 1113. *biflora.*
N. aquatica. *Sp. pl.* 1511.
N. integrifolia. *Ait. kew.* 3. *p.* 446.
Icon. *Mich. arb.* 22 *Catesb. car.* 1. *t.* 41.
In deep swamps: Virginia and Carolina. ♄. April, May. *v. v.* Berries the size of the preceding species, blueish black.

3. N. foliis brevissime petiolatis oblongis sub-integerrimis basi cuneatis subtus candicantibus, pedunculis femineis unifloris, drupis oblongis.—*Willd. sp. pl.* 4. *p.* 1113. *candicans.*
N. capitata. *Walt fl. car.* 253.
Icon. *Mich. arb.* 20.
On the banks of rivers: Carolina, principally on the river Ogechee. ♄. May, June. *v. v.* Fruit large, orange-coloured, full of an acid similar to a lime, from which it is known by the name *Ogechee-lime.*

4. N. foliis longe petiolatis oblongis acuminatis remote serratis subtus tomentosis, pedunculis femineis unifloris, drupis oblongis.—*Willd. sp. pl.* 4. *p.* 1113. *tomentosa.*

N. grandidentata. *Mich. arb. t.* 19.
On the banks of the river St. Mary, and
ħ. May. *v. s.* Fruit the size of the
blue.

denticulata. 5. N. foliis longe petiolatis oblongis acuminatis undique glabris, pedunculis fer
drupis oblongis. *Willd. sp. pl.* 4. *p.*
N. uniflora. *Walt. fl. car.* 253.
N. angulisans. *Mich. fl. amer.* 2. *p.* 256.
Icon. *Wangh. amer. t.* 27. *f.* 57. *Catesb. car.* 1. *t.* 60.
In swamps: Virginia and Carolina. ħ. *v. v. s. fl.*

220. HAMILTONIA. *Willd. sp. pl.* 4. *p.* 1114.
Pyularia. *Mich. fl. amer.* 2. *p.* 231.

oleifera. 1. Hamiltonia. *Willd. l. c.*
Pyularia pubera. *Mich. l. c.*
In shady woods, in the mountains of Pensylvania, Virginia near the Sweet springs, and in Carolina. ħ. May, June. *v. v.* A shrub from four to six feet high, very pubescent; leaves oblong, entire, acuminate; flowers small, greenish-yellow, in terminal racemes; fruit known in the country by the name of *Oil-nut.*

II. *DIGYNIA.*

221. ECHITES. *Gen. pl.* 421.

difformis. 1. E. volubilis; foliis ovali-lanceolatis acuminatis basi acutis: infimis linearibus, floribus fasciculato-corymbosis. —*Walt. fl. car.* 98.
E. pubernla. *Mich. fl. amer.* 1. *p.* 120.
In woods of Lower Virginia and Carolina. ħ. July. *v. v.* Flowers small, dirty yellow; seed pods very slender and long.

222. GONOLOBIUM. *Mich. fl. amer.* 1. *p.* 119.

macrophyllum. 1. G. sarmentis petiolisque hirsutis, foliis amplis abrupte acuminatis puberulis, corollæ laciniis ovali-lanceolatis, folliculis costato-angulosis.—*Mich. fl. amer.* 1. *p.* 119.

Vincetoxicum gonocarpus. *Walt. fl. car.* 104.
In shady woods of Carolina and Virginia. ♄. June. *v. v.* Flowers dark purple or dirty yellow.

2. G. sarmentis petiolisque hirsutissimis, foliis sensim acuminatis utrinque pubescentibus, corollæ laciniis oblongo-ovalibus obtusis, folliculis oblongis muricatis.—*Mich. fl. amer.* 1. *p.* 119. *hirsutum.*
Vincetoxicum acanthocarpos. *Walt. fl. car.* 104.
In hedges, near rivulets: Pensylvania to Carolina. ♃. June, July. *v. v.* Flowers dark purple.

3. G. sarmentis glabriusculis, foliis subconoideo-cordatis sensim acutis nervis subtus puberulis, floribus glabris, corollæ laciniis ovali-oblongis obtusiusculis, folliculis lævibus. *Mich. fl. amer.* 1. *p.* 119. *læve.*
Cynanchum carolinense. *Jac. ic.* 2. *t.* 342?
In hedges on the banks of the Mississippi. ♃. June. *v. v. s. fr.* Flowers dark purple.
Cynanchum obliquum. *Jacq. ic.* 2. *t.* 241. probably is another species of this genus. I have seen the plant in flower, but without fruit, in a cultivated state, but never observed it growing spontaneously; consequently I shall omit it, as a doubtful North American plant.

223. APOCYNUM. *Gen. pl.* 426.

1. A. caule rectiusculo patente, foliis ovatis utrinque glabris, cymis lateralibus et terminalibus glabris, corollæ limbo patentibus.—*Willd. sp. pl.* 1. *p.* 1259. *androsæmifolium.*
Icon. *Dod. mem. t.* 50.
In fields and along the edges of woods: Canada to Carolina. ♃. July. *v. v.* Flowers pale red with darker stripes.

2. A. caule rectiusculo, foliis oblongo-ovalibus subtus candicante-pubescentibus, paniculis pubescentibus, corollis limbo erectis.—*Willd. sp. pl.* 1. *p.* 1259. *cannabinum.*
Icon. *Pluk. alm. t.* 13. *f.* 1.
In sandy fields and woods; common. ♃. June, July. *v. v.* Flowers yellowish-green, small. The plant is generally called *Indian Hemp.*

3. A. caule erectiusculo, foliis oblongis cordatis glabris, cymis folio brevioribus. *Willd. sp. pl.* 1. *p.* 1260. *hypericifolium.*
A. sibiricum. *Jacq. hort.* 3. *t.* 66.
On the gravelly shores of rivers: New York to Virginia; scarce. ♃. July, Aug. *v. v.* Flowers very

small; plant lower than the preceding species, very smooth.

224. ASCLEPIAS. *Gen. pl.* 412.

* *Foliis oppositis.*

syriaca. 1. A. caulibus simplicissimis, foliis lanceolato-oblongis subtus tomentosis, umbellis sessilibus tomentosis.—*Willd. sp. pl.* 1. *p.* 1265.

In fields and on the banks of rivers, very common: New England to Virginia. ♃ July, Aug. *v. v.* From three to five feet high; flowers in large close clusters, pale purple, sweet-scented. The nectaries act as fly-traps.

phytolaccoides. 2. A. caule erecto simplici, foliis lato-ovato-oblongis acutis glabris subtus pallidioribus, umbellis compositis lateralibus solitariis longe pedunculatis nutantibus.—*Gron. virg.* 38.

On the mountains of Virginia and Carolina. ♃ July, Aug. *v. v.* Stem about three feet or more high, spotted with purple; leaves large, middle rib purple; flowers sweet-scented; petals reflexed, very dark purple. This plant was introduced into England in 1812, by Mr. Lyon, under the above name.

debilis. 3. A. glabriuscula; caule debili erecto simplici, foliis petiolatis ovali-lanceolatis utrinque acutis membranaceis, umbellis terminalibus laxifloris, pedicellis capillaribus.—*Mich. fl. amer.* 1. *p.* 116.

In shady rocky situations, near rivulets: New York to Carolina; rare. ♃ July, Aug. *v. v.* Flowers white; leaves large. The fibres of the stem produce a kind of flax, as all the rest of this genus do, but far superior, being of a beautiful silky gloss and extreme strength.

parviflora. 4. A. foliis lanceolatis acuminatis glabris oppositis basi attenuatis, umbellis lateralibus solitariis, caule suffruticoso erecto. *Willd. sp. pl.* 1. *p.* 1267.

A. perennis. *Walt. fl. car.* 107.

In sandy fields: Carolina and Florida. ♃ July, Aug. *v. v.* Flowers small, white.

nivea. 5. A. foliis ovato-lanceolatis glabriusculis, umbellis erectis lateralibus solitariis, caule simplici. *Willd. sp. pl.* 1. *p.* 1266.

Icon. *Dill. elth. t.* 29. *f.* 32. *Bot. mag.* 1187.
On the banks of rivers in sandy or gravelly soil: Virginia to Carolina. ♃. July, Aug. *v. v.* Flowers white.

6. A. caule erecto superne ramoso tomentoso, foliis lanceolatis utrinque subtomentoso-lanuginosis, umbellis pluribus origine geminis, corniculis appendicum exertis. *Mich. fl. amer.* 1. *p.* 115. *Willd. sp. pl.* 1. *p.* 1267. *incana.*
Icon. *Jacq. hort. t.* 107.
β. *Willd. l. c.* *pulchra.*
In swamps and on river banks; common. ♃. June—Aug. *v. v.* Flowers red. The variety β. is more hairy, in every other respect no ways different; sometimes the leaves are quite smooth, and only pubescent on the upper part of the stem.

7. A. caule simplici bifariam puberulo, foliis subsessilibus oblongo-ovalibus subtus pubescentibus, umbellis terminalibus nectariisque erectis, appendicibus exertis.—*Willd. sp. pl.* 1. *p.* 1265. *amœna.*
Icon. *Dill. elth. t.* 27. *f.* 30.
In wet meadows, on the edges of woods and ditches: New England to Virginia. ♃. July, Aug. *v. v.* Flowers beautiful purple.

8. A. caule simplici, foliis ovatis subtus villosis, umbellis erectis, nectariis resupinatis. *Willd. sp. pl.* 1. *p.* 1265. *purpurascens.*
Icon. *Dill. elth. t.* 28. *f.* 31.
In shady swamps: Virginia and Carolina. ♃. July, Aug. *v. v.* Flowers purple.

9. A. caule simplici erecto hirsuto, foliis lanceolato-oblongis obtusiusculis subsessilibus utrinque tomentoso-hirsutis, umbellis lateralibus solitariis subsessilibus nutantibus subgloboso-densifloris, appendicibus nullis. *viridiflora.*
In dry fields: Pensylvania to Virginia. ♃. June, July. *v. v.* Flowers green.

10. A. caule simplici erecto, foliis ovatis petiolatis rugosis nudis, umbellis subsessilibus pedicellis tomentosis. *Willd. sp. pl.* 1. *p.* 1265. *Walt. fl. car.* 104. *variegata.*
A. hybrida. *Mich. fl. amer.* 1. *p.* 115.
Icon. *Pluk. alm. t.* 77. *f.* 1. *Bot. mag.* 1182.
On dry sunny hills, on the borders of woods: New York to Carolina. ♃. July, Aug. *v. v.* A very handsome species; flowers in dense umbels; petals and nectaries white; fructification red.

obtusifolia. 11. A. foliis amplexicaulibus oblongis rotundato-ob[illegible] datis, umbella terminali longius pedunculata [illegible] flora glabra, corniculis exertis. *Mich. fl.* [illegible] *p.* 115.
A. purpurascens. *Walt. fl. car.* 105.
In sandy fields: New Jersey to Carolina. ♃ June, Aug. *v. v.* Flowers large, purple.

amplexicaulis. 12. A. tota glauca; caulibus decumbentibus sim[illegible] foliis cordatis amplexicaulibus venosis, corn[illegible] litescentibus compresso-ligulatis. *Mich. f.* [illegible] *p.* 115.
A. humistrata. *Walt. fl. car.* 105.
In barren sandy fields: Carolina and Georgia. ♃ June, July. *v. v.* Leaves red-veined, thick; flowers handsome, red.

acuminata. 13. A. caule erecto glabro simplici, foliis ovatis subcordatis acuminatis brevi-petiolatis, superioribus sessilibus; umbellis lateralibus solitariis erectis.
A. cordata. *Walt. fl. car.* 105.
In deep cedar-swamps, and on the banks of rivers: New Jersey. ♃. July. *v. v.* Flowers red and white; stem about two feet high; roots very large, resembling those of *A. tuberosa.*

lanceolata. 14. A. caule erecto glabro, foliis subsessilibus ovali-lanceolatis sensim angustatis acutissimis glabris: supra ad oras asperiusculis.—*Mich. fl. amer.* 1. *p.* 117.
On the river Althamaha, Georgia. *Michaux.* ♃. July. *v. s.* Flowers purple.

paupercula. 15. A. caule erectiusculo glabro oligophyllo, sursum nudo, foliis linearibus longissimis glabriusculis, umbellis terminalibus pauciflоris.—*Mich. fl. amer.* 1. *p.* 118.
A. lanceolata. *Walt. fl. car.* 105.
In sandy wet meadows: Virginia and Lower Carolina. ♃. June, July. *v. v.* Flowers red, with yellow appendices.

pedicellata. 16. A. caule simplici erecto piloso, foliis elliptico-lanceolatis pubescentibus supra punctato-asperis, umbella lateralis solitaria pauciflora, petalis erectis calyce multoties longioribus, nectariis lunulatis patentibus corniculis nullis.—*Walt. fl. car.* 106.
On dry sandy fields of South Carolina. *Walter.* Near Fort Barrington. *Lyon.* ♃. June. *v. s. in Herb. Lyon. nec non Walter.* The whole plant not above

three inches high; flowers large in proportion, greenish yellow; fructification on a pedicel.

17. A. caulibus erectis, foliis petiolatis oblongis obtusis lævibus, umbellis paucis terminalibus, petalis erectis calyce multo longioribus, nectariis integris patulis brevibus.—*Walt. fl. car.* 107. *viridis.*

South Carolina. *Walter.* ♃. *v. s. in Herb. Lyon.* Flowers large; petals green; nectaries purple; fructification white. This and the preceding species deviate from the general character of *Asclepias*, and probably constitute a distinct genus; but having had no opportunity to examine the living plant, I refer them to this genus until another opportunity may be had to investigate them.

18. A. caulibus erectis simplicibus glabris, foliis ovatis acuminatis petiolatis: in medio cauli majoribus quaternis, umbellis duabus terminalibus laxifloris, pedicellis filiformibus.—*Jacq. obs.* 2. *t.* 23. *quadrifolia.*

On lime-stone rocks: New York to Virginia. ♃. May—July. *v. v.* From nine inches to a foot high; flowers small, sweet-scented; petals white; nectaries rose-coloured.

** *Foliis sparsis.*

19. A. caule erecto simplicissimo lineatim puberulo, foliis angustissime linearibus strictis glabris plerumque verticillatis, corniculis exertis. *Mich. fl. amer.* 1. *p.* 116. *Willd. sp. pl.* 1. *p.* 1272. *verticillata.*

Icon. *Pluk. mant. t.* 336. *f.* 4.

On dry hills and fields: New Jersey to Carolina. ♃. June, July. *v. v.* Petals yellowish-green; nectaries white.

20. A. caule decumbente foliisque sparsis prælongo-linearibus puberulis, appendicibus corollæ corpusculo genitalifero brevioribus et corniculo vacuis. *Mich. fl. amer.* 1. *p.* 116. *longifolia.*

A. incarnata. *Walt. fl. car.* 106.

A. floridana. *Lam. encycl.* 1. *p.* 284.

In shady wet woods: Carolina and Georgia. ♃. July, Aug. *v. s.* Flowers pale purple; fructification yellow.

21. A. caule erectiusculo summitate divaricato-ramoso hirsutissimo, foliis sparsis oblongo-lanceolatis hirsutis, *tuberosa.*

umbellis subcorymboso-terminalibus.—*Willd. sp. pl.* 1. *p.* 1273.

Icon. *Dill. elth. t.* 30. *f.* 34.

decumbens. β. A. caule decumbente, foliis sublinearibus hirsutissimis umbellis lateralibus. *Willd. sp. pl.* 1. *p.* 1268.

In stony or sandy fields and woods; common. β. In barren fields of Carolina. ♃. June, July. *v. v.* Flowers very showy; petals and nectaries bright orange; fructification yellow.

224. *b.* CEROPEGIA. *Gen. pl.* 431.

palustris. 1. C. foliis linearibus integerrimis, floribus umbellatis, pedunculis longitudine foliorum, calycis laciniis linearibus.

In salt marshes, winding round Scirpi and Juncí: Carolina *Lyon.* ♃. *v. s. in Herb. Lyon, nec non Walter.* The whole habit of the plant is that of *C. tenuiflora. Willd. sp. pl.* 1. *p.* 1270. the flowers only considerably smaller.

225. AMSONIA. *Walt. fl. car.* 98.

latifolia. 1. A. caule glabriusculo, foliis ovali-lanceolatis superioribus promiscue acuminatis subtus ad nervos pubescentibus.—*Mich. fl. amer.* 1. *p.* 121.

Tabernæmontana Amsonia. *Willd. sp. pl.* 1. *p.* 1246.

Icon. *Pluk. phyt. t.* 115. *f.* 3.

In shady wet woods: Carolina. ♃. May. *v. v.* Flowers in compound corymbous racemes, blue.

salicifolia. 2. A. caule lævigato, foliis lineari-lanceolatis utrinque acutis glaberrimis.

In Carolina and Georgia. *Lyon.* ♃. May. *v. v.* Flowers the same as the first species, more abundant.

angustifolia. 3. A. caule pubescente, foliis angusto-linearibus crebris erectis pubescentibus. *Mich. fl. amer.* 1. *p.* 121.

Amsonia ciliata. *Walt. fl. car.* 98.

In sandy barrens of Carolina and Georgia. ♃. May, June. *v. s. in Herb. Walter.* &c. Flowers of the same disposition and colour as both the foregoing species.

226. GELSEMINUM. *Juss. gen. pl. p.* 168.

nitidum. 1. G. scandens, glaberrimum; foliis lanceolatis, fasciculis axillaribus pauciflorís *Mich. fl. amer.* 1. *p.* 120.

Bignonia sempervirens. *Willd. sp. pl.* 3. *p.* 291.
Anonymos sempervirens. *Walt. fl. car.* 98.
Icón. *Catesb. car.* 1. *t.* 53. *Pluk. alm. t.* 112. *f.* 5.
On the sea-coast near rivers: Virginia to Florida. ♄ June, July. *v. v.* Flowers large, deep yellow, fragrant; known by the name *Carolina Jessamine.*

227. GENTIANA. *Gen. pl.* 450.

1. G. caule tereti, ramis elongatis unifloris, foliis lanceolatis acutis, corollis 4-fidis, laciniis obovatis inciso-ciliatis, plicis interioribus simplicibus.—*Willd. sp. pl.* 1. *p.* 1352. *crinita.*
G. fimbriata. *Bot. rep.* 509.
In dry pastures and woods: New York to Carolina. ♂. Aug. Sept. *v. v.* Flowers a beautiful sky-blue, elegantly fringed on their edges.

2. G. caule tereti, foliis lineari-lanceolatis obtusiusculis, floribus terminalibus fasciculatis, lateralibus solitariis pedunculatis, corollis 5-fidis campanulatis: laciniis rotundatis, plicis interioribus acute-unidentatis.—*Willd. sp. pl.* 1. *p.* 1336. *Pneumonanthe.*
Icon. *Fl. dan.* 269. *Bot. mag.* 1101.
On high mountains, near the borders of lakes and rivulets: Canada to Pensylvania. ♃. Aug. Sept. *v. v.* Flowers large, dark-blue.

3. G. caule tereti glabro, foliis oblongo-lanceolatis trinerviis, floribus sessilibus fasciculatis terminalibus axillaribusque, corollis 5-fidis campanulatis ventricosis: laciniis obtusis, plicis interioribus laciniis dentatis.—*Willd. sp. pl.* 1. *p.* 1338. *Saponaria.*
G. fimbriata. *Vahl* 3. *p.* 47.
G. Catesbæi. *Walt. fl. car.* 109.
Icon. *Catesb. car.* 1. *t.* 70. *Bot. mag.* 1039. *Bot. rep.* 418.
In low meadows and woods: Canada to Carolina. ♃. Aug. Sept. *v. v.* Flowers very crowded, fine blue.

4. G. caule subangulato scabriusculo, foliis ovato-lanceolatis asperiusculis, floribus sessilibus fasciculatis terminalibus, corollis 5-fidis campanulatis ventricosis: laciniis acutis, plicis interioribus simplicibus acutis.—*Willd. sp. pl.* 1. *p.* 1338. *ochroleuca.*
G. Saponaria. *Walt. fl. car.* 109. *Mich. fl. amer.* 1. *p.* 176.
G. villosa. *Willd. sp. pl.* 1. *p.* 1338.

Icon. *Pluk. alm. t.* 186. *f.* 1.

In dry sandy fields and on gravelly hills: Pensylvania to Florida; more scarce. ♃. Aug. Sept. *v. v.* Not so tall as the preceding species; flowers outside of a yellowish-green, inside, blue and striped with purple. That the present plant is the same with *G. villosa*, there remains no doubt, having seen the Gronovian specimen in the Banksian Herbarium, which is the same with *G. Saponaria* of Walter, and *G. ochroleuca* of Frœlich.

linearis. 5. G. caule asperiusculo, foliis lineari-lanceolatis undulosis uti calyces ciliolatis, floribus 5-fidis campanulatis terminalibus sessilibus congestis, laciniis brevibus obtusis, plicis interioribus laciniis denticulatis.—*Willd. sp. pl.* 1. *p.* 1339.

G. puberula. *Mich. fl. amer.* 1. *p.* 176.

In valleys, on the mountains of Pensylvania and Virginia. ♃. Aug. *v. v.* Flowers large, blue.

amarelloides. 6. G. caule quadrangulo ramoso, foliis semiamplexicaulibus ovalibus acutis trinervibus, floribus 5-fidis tubuloso-campanulatis fauce glabris terminalibus et lateralibus ternis quinisve subpedicellatis, laciniis lanceolatis acuminatis, plicis simplicibus, calycibus brevissimis angustis.—*Mich. fl. amer.* 1. *p.* 175.

G. quinqueflora. *Willd. sp. pl.* 1. *p.* 1339.

On hills, in shady dry places: New York to Kentucky. ♂. July, Aug. *v. v.* Flowers small, pale blue, not yellow as they are represented by Michaux.

acuta. 7. G. caule 4-gono, foliis sessilibus subamplexicaulibus erectis oblongo-ovatis acutissimis, floribus fasciculatis terminalibus et lateralibus, corollis 5-fidis, laciniis lineari-lanceolatis, plicis ciliatis. *Mich. fl. amer.* 1. *p.* 177.

On the high mountains of Carolina and in Canada. *Michaux.* +. Flowers very small, greenish-yellow.

angustifolia. 8. G. caule tereti-simplici unifloro, foliis angusto-linearibus patulis, corollis 5-fidis, laciniis ovalibus, plicis interioribus laciniis laceris.—*Mich. fl. amer.* 1. *p.* 177.

G. purpurea. *Walt. fl. car.* 109.

In meadows and near rivers, in sandy soil: New Jersey to Carolina. ♃. Aug. Sept. *v. v.* Flowers large, a beautiful azure blue.

228. HYDROLEA. *Gen. pl.* 445.

H. spinosa, pilosa; foliis longo-lanceolatis, pedunculis axillaribus brevissimis 1—5-floris, capsulis glabris.—*Walt. fl. car.* 110. *quadrivalvis.*

H. caroliniana. *Mich. fl. amer.* 1. *p.* 177.

In stagnant waters of Lower Carolina. ♃. July. *v. s.* Flowers blue.

229. DICHONDRA. *Gen. pl.* 451. *Mich. fl. amer.* 1. *p.* 135.

D. pubescens; foliis absque emarginatura reniformibus concoloribus, calycibus villoso-ciliatis.—*Mich. fl. amer.* 1. *p.* 136. *carolinensis.*

Anonymos repens. *Walt. fl. car.* 110.

Demidofia repens. *Gmel. syst. nat.* 458.

In sandy fields, on road sides, about Charlestown, South Carolina. ♃. June—Sept. *v. v.* A small creeping plant, with small herbaceous coloured flowers.

230. EVOLVULUS. *Gen. pl.* 524.

E. erectus; foliis oblongis utrinque sericeo-tomentosis, pedunculis unifloribus brevibus. *argenteus.*

On the banks of the Missouri. *Nuttall. v. s.* Flowers yellow.

231. HEUCHERA. *Gen. pl.* 447.

H. viscido-pubescens; scapo foliisque asperiusculis, foliis modice rotundato-lobatis dentatis: dentibus dilatatis obtusis mucronatis, pedunculis paniculæ tres dichotomis divaricatis, calycibus brevibus obtusis, petalis lanceolatis longitudine calycis, staminibus longe exsertis. *viscida.*

H. americana. *Willd. sp. pl.* 1. *p.* 1328.

H. Cortusa. *Mich. fl. amer.* 1. *p.* 271.

Icon. *Pluk. alm. t.* 58. *f.* 3.

In shady rocky situations; New England to Carolina; frequent. ♃. May—July. *v. v.* Flowers in a long simple panicle, small; petals red. It varies sometimes with nearly smooth leaves.

2. H. pulverulento-pubescens; scapo inferne foliisque subtus glabris, foliis subacuto-lobatis dentatis: dentibus rotundatis mucronatis, pedunculis paniculæ brevibus confertifloris, calycibus campanulatis majoribus, pe- *pubescens.*

talis spathulatis calyce longioribus, staminibus vix exertis.

On the Blue mountains of Pensylvania and Virginia. ♃. May, June. *v. v.* Flowers larger than the rest of the genus; petals pale red with yellow.

hispida. 3. H. hispida, scabra; scapo petiolis foliisque subtus glabris, foliis acute lobatis, supra hispido-pilosis dentatis: dentibus brevissimis subretusis mucronatis, pedunculis paniculæ pauciforis, calycibus mediocribus subacutis, petalis spathulatis longitudine calycis, staminibus exertis.

On high mountains of Virginia and Carolina. ♃. May, June. *v. v.* Petals purple?

villosa. 4. H. villosissima; foliis acute lobatis dentatis: dentibus acutis mucronatis, fasciculis paniculæ capillaribus laxifloris, calycibus parvis, staminibus exertis.—*Mich. fl. amer.* 1. *p.* 172.

On high mountains of North Carolina and Virginia; collected on the Peaks of Otter. ♃. June. *v. v.* Flowers small; petals white.

caulescens. 5. H. basi suffruticosa; scapo basi petiolisque pilosis, foliis supra glabris subtus ad nervos pilosis acute-lobatis ciliatis dentatis; dentibus acutis mucronatis, calycibus brevibus villosis, petalis linearibus calyce duplo longioribus, staminibus exertis.

On high mountains of Carolina. *Lyon.* ♃. May, June. *v. v.* Petals white. In the Herbarium of A. B. Lambert, Esq. are specimens of a *Heuchera*, collected by Pallas in Kamtschatka, which appear to be the same with the present species.

232. ZIZYPHUS. *Lam. encycl.* 3. *p.* 303.

volubilis. 1. Z. inermis; foliis ovatis costato-venosis integerrimis subundulatis, umbellis pedunculatis axillaribus, caule volubili. *Willd. sp. pl.* 1. *p.* 1102.

Rhamnus volubilis. *Linn. suppl.* 152. *Walt. fl. car.* 101. Icon. *Jacq. ic.* 2. *t.* 336. *Schmidt arb.* 153.

In deep swamps, near the sea coast: Virginia to Carolina. ♄. June. *v. v.* Flowers small, greenish-yellow; berries oblong, violet-coloured. It ascends the highest trees of *Cupressus disticha*, in the Dismal swamp, near Suffolk in Virginia, and is known there by the name of *Supple-Jack*.

233. ERYNGIUM. *Gen. pl.* 456. *Delaroche monog. eryng.*

1. E. præaltum; foliis longissime lanceolato-linearibus serratis: rameis lineari-multipartitis; involucri foliolis capitulo ovoideo longioribus paleisque 3-5-fidis, capitulis paniculatis.—*Lam. encycl.* 4. *p.* 759. *Delaroche eryng. p.* 48. *virginianum.*
E. aquaticum β. *Willd. sp. pl.* 1. *p.* 1357. *Mich. fl. amer.* 1. *p.* 163.
Icon. *Delaroche eryng. t.* 19. *Pluk. alm. t.* 396. *f.* 3.
On the banks of rivers, in overflowed tide-meadows: Pensylvania to Virginia. ♃. July, Aug. *v. v.* Stem hollow; flower-heads green or pale blue. I once found a beautiful proliferous variety with pale purple flowers, one on the top of the others.

2. E. simplex; foliis ovato-cordatis brevissime petiolatis, capitulis omnibus pedunculatis, involucri foliolis paleisque 3-fidis, caule virgato superne tantum ramoso.—*Lam. encycl.* 4. *p.* 757. *Delaroche eryng. p.* 49. *virgatum.*
E. ovatifolium. *Mich. fl. amer.* 1. *p.* 163.
E. integrifolium. *Walt. fl. car.* 112.
Icon. *Delaroche eryng. t.* 20.
In wet meadows and woods: Carolina and Georgia. ♃. July. *v. v.* About a foot high; flower-heads small, round, amethystine-blue.

3. E. pumilum, graveolens; foliis serrato-spinosis: radicalibus lanceolatis, floralibus palmatis, capitulis cylindricis subsessilibus, paleis longissimis lineari-lanceolatis.—*Willd. sp. pl.* 1. *p.* 1356. *fœtidum.*
Icon. *Brown. jam.* t. *t.* 156. *f.* 3. 4.
In dry fields: Georgia to Florida. ♃. July, Aug. *v. v.* Flowers in small heads, herbaceous. Very much esteemed among the natives as a medicine.

4. E. elatum; foliis late-linearibus remote ciliato-spinosis, floralibus lanceolatis dentatis, foliolis involucri capitulo globoso brevioribus paleisque integris, caule subdichotomo.—*Willd. sp. pl.* 1. *p.* 1357. *aquaticum.*
Icon. *Jacq. ic.* 2. *t.* 347. *Pluk. alm. t.* 396. *f.* 3.
In swamps: Virginia to Carolina. ♃. Aug. *v. v.* Sometimes more than six feet high; leaves very long; flower-heads pale green.

234. HYDROCOTYLE. *Gen. pl.* 457.

americana. 1. H. glabra, tuberosa; foliis subpeltato-orbiculatis duplicato-crenatis, glomerulis paucifloris sessilibus.—*Willd. sp. pl.* 1. *p.* 1361.

flexicaulis. *α.* H. caulibus firmioribus brevioribusque quasi angulatim flexuosis. *Mich. fl. amer.* 1. *p.* 162.

gracilis. *β.* H. gracilior, filiformis, non flexuosa; foliis minoribus. *Mich. l. c.*

In bogs and sphagnous swamps: *α.* Canada to Virginia. *β.* In the mountains of Carolina, Virginia, and in Canada. ♃. June—Aug. *v. v.* Flowers exceeding small, and of a greenish colour, as is the case with all the following species.

vulgaris. 2. H. foliis orbiculatis peltatis leviter crenatis, scapo interrupto-spicato pauciflore.—*Willd. sp. pl.* 1. *p.* 1360.

Icon. *Fl. dan.* 90. *Engl. bot.* 751.

In swamps and overflowed places: Canada to Georgia. ♃. May—July. *v. v.*

umbellata. 3. H. foliis peltatis crenatis basi emarginatis, umbellis pedunculatis multifloris, floribus pedicellatis. *Willd. sp. pl.* 1. *p.* 1361.

In wet fields and mossy swamps: Virginia and Carolina. ♃. May—July. *v. v.*

repanda. 4. H. foliis rotundato-cordatis subangulato-repandis, petiolis nervisque pilosis, capitulo pedunculato trifloro villoso. *Pers. syn.* 1. *p.* 302.

H. ficaroides. *Mich. fl. amer.* 1. *p.* 161.

H. reniformis et cordata. *Walt. fl. car.* 113.

On overflowed banks of rivers in Lower Carolina and Georgia. ♃. June, July. *v. v.* Seeds larger than the preceding species.

lineata. 5. H. minuta, glaberrima; foliis crassiusculis lineari-cuneatis transversim lineatis, umbella pedunculata.—*Mich. fl. amer.* 1. *p.* 162.

In overflowed places of Lower Carolina. ♃. April, May. +.

composita. 6. H. radice globoso-bulbosa, caule simplici diphyllo bifido, folio laterali 5-partito, partitionibus subpinnatis, pinnulis divisis: terminali sub-biternato, umbellis terminalibus 3—5-floris.

Sison bulbosum. *Mich. fl. amer.* 1. *p.* 169.

On rocks in wet shady places, near Knoxville, Kentucky. *Michaux.* ♃. March, April. *v. s. in Herb.*

Enslen. As far as I have been able to learn from a dried specimen, there remains no doubt that this plant belongs to this genus rather than any other I know. The flowers have white petals and dark purple anthers.

235. PANAX. *Gen. pl.* 1604.

1. P. radice fusiformi, foliis ternis quinatis, foliolis ovalibus acuminatis petiolatis serratis.—*Willd. sp. pl.* 4. *p.* 1124. *quinquefolium.*

Icon. *Catesb. car.* 3. *t.* 16. *Trew ehret. t.* 6. *f.* 1. *Bot. mag.* 1333.

In the mountains from Canada to Tennassee, in rich shady woods. ♃. May. *v. v.* This plant produces the famous root called *Ginseng*, so much esteemed by the Chinese; it formerly was an article of exportation in America, but at present there is little demand for it.

2. P. radice subrotundo-bulbosa; foliis ternis ternatis quinatisve, foliolis oblongo-lanceolatis subsessilibus serratis.—*Willd. sp. pl.* 4. *p.* 1124. *trifolium.*

Icon. *Bot. mag.* 1334.

In low shady woods, near rivulets: New York and Pensylvania. ♃. May. *v. v.* A small delicate plant, easily overlooked even when in search of it.

236. SANICULA. *Gen. pl.* 458.

S. foliis digitatis, foliolis oblongis incisis, floribus fertilibus sessilibus subternis, sterilibus pedicellatis numerosis.—*Willd. sp. pl.* 1. *p.* 1367. *marylandica.*

Icon. *Jacq. ic.* 2. *p.* 348.

In dry woods, frequent: Canada to Carolina. ♃. June, July. *v. v.* Flowers greenish-white; fruit a little hairy.

2. S. foliis radicalibus compositis, foliolis ovatis. *Willd. sp. pl.* 1. *p.* 1366. *canadensis.*

In Virginia. +. A doubtful species.

237. DAUCUS. *Gen. pl.* 466.

1. D. seminibus hispidis, petiolis subtus nervosis. *Willd. sp. pl.* 1. *p.* 1389. *Carota.*

The *Wild Carrot* is one of the most common weeds in dry fields.

pusillus. 2. D. retrorsum-hispidus; foliolis laciniis minimis sublanceolatis, umbellis parvis, umbellulis paucifloris, seminibus 8-fariam cristato-muricatis.—*Mich. fl. amer.* 1. *p.* 164.
In dry fields of Carolina. *Michaux.* +.

238. AMMI. *Gen. pl.* 467.

capillaceum. 1. A. caule ramoso, foliis omnibus composite capillaceo-multipartitis, involucris umbella brevioribus multipartitis, seminibus glabratis.
A. majus. *Walt. fl. car.* 113.
In sandy fields of Carolina and Georgia. ⊙. June, July. *v. s.* The plant small, with very finely divided leaves.

239. SELINUM. *Gen. pl.* 470.

canadense. 1. S. glaberrimum, lucidum; foliis bipinnatis, foliolis multipartitis, laciniis lanceolatis, fructibus ovalibus. *Mich. fl. amer.* 1. *p.* 165.
Apium bipinnatum. *Walt. fl. car.* 115.
On the mouths of large rivers from Canada to Carolina. ♃. July. *v. v.* Flowers white.

240. FERULA. *Gen. pl.* 475.

villosa. 1. F. foliis supradecomposito-ternatis, foliolis ovatis serratis rigidis venosis, caule pedunculis umbellisque villosis. *Walt. fl. car.* 115.
Cicuta venenata. *Philad. philos. trans.*
On dry hills: New York to Carolina. ♃. July, Aug. *v. v.* Flowers white. In the Philosophical Transactions of Philadelphia, a description of this plant has been given, and a full account of its poisonous qualities.

241. HERACLEUM. *Gen. pl.* 477.

lanatum. 1. H. foliorum petiolo nervisque subtus lanato-villosissimis, foliis trifoliatis, foliolis omnibus petiolatis amplis subrotundo-cordatis subpalmato-lobatis, seminibus orbiculatis. *Mich. fl. amer.* 1. *p.* 166.
In shady woods, on rich moist soil: Canada to Pensylvania; rare. ♃. June, July. *v. v.* Flowers white.

242. LIGUSTICUM. *Gen. pl.* 478.

1. L. foliis caulinis biternatis, summis trifoliatis, foliis lateralibus trapeziformibus, terminali rhombeo, umbellis strictis, involucro involucellisque linearibus polyphyllis. *Mich. fl. amer.* 1. *p.* 166. *scoticum.*
On the river St. Laurence. *Michaux.* ♃. +. July.

2. L. foliis petiolo duplicato-tripartito, partitionibus secundariis 2-3-foliolatis, foliolis ovalibus æqualiter dentatis, involucellis setaceis, fructibus oblongo-ovalibus subulato-10-costatis. *Mich. fl. amer.* 1. *p.* 166. *actæifolium.*
On the river St. Laurence. *Michaux.* In Virginia near Staunton, &c. ♃. July. *v. v.* More than three feet high.

3. L. ? caule lævi glabroque, nodis confertim barbulatis, foliis plerisque biternatis margine nervisque puberulis, fructibus ovalibus utrinque margine subdipteris. *Mich. fl. amer.* 1. *p.* 167. *barbinode.*
In Upper Carolina. *Michaux.* ♃. *v. s. in Herb. Lyon.* I suspect this species to belong to another genus, probably *Sium*.

243. ANGELICA. *Gen. pl.* 479.

1. A. petiolo tripartito, partitionibus pinnato-5-foliolatis, foliolis inciso-dentatis: terminalium impari rhombeo sessili, lateralibus decursivis. *Mich. fl. amer.* 1. *p.* 167. *triquinata.*
In Canada and on the mountains of Virginia. ♃. June, July. *v. v.* Smooth.

2. A. foliis compositis, foliolis oblongis sublobatis serratis subsessilibus: extimo pari coadunato: terminali petiolato.—*Willd. sp. pl.* 1. *p.* 1430. *atropurpurea.*
In Canada and on the mountains of Virginia. ♃. July, Aug. *v. v.* From three to six feet high; root very fragrant; petals purple.

3. A. foliolis æqualibus ovatis inciso-serratis. *Willd. sp. pl.* 1. *p.* 1430. *lucida.*
In shady woods: Canada to Pensylvania. ♃. June, July. *v. v.* Flowers white.

244. SIUM. *Gen. pl.* 480.

rigidius. 1. S. foliis pinnatis, foliolis lanceolatis integerrimis vel superne dentatis. *Willd. sp. pl.* 1. *p.* 1433.
In wet meadows: Pensylvania to Virginia. ♃. July, Aug. *v. v.* Flowers small. This and the following are considered very poisonous plants, especially in respect to horned cattle; and every farmer who knows their bad qualities is busily employed to destroy them.

lineare. 2. S. foliis pinnatis, foliolis longis sublanceolato-linearibus remotiuscule serratis, involucro oligophyllo, involucellis linearibus polyphyllis, umbella breviter radiata. *Mich. fl. amer.* 1. *p.* 167.
S. suave. *Walt. fl. car.* 115.
In wet meadows and along ditches: Canada to Pensylvania. ♃. July. *v. v.*

longifolium. 3. S. foliis pinnatis, foliolis inferioribus longissimis falcato-linearibus rariter dentatis, caule oligophyllo superne nudo, umbellis subgeminis nudiusculis.
In ditches and bogs: New Jersey. ♃. Aug. *v. v.* Very slender.

244. *b.* SISON. *Gen. pl.* 481.

pusillum. 1. S. foliis biternatim multipartitis, umbellulis 3—5-floris, seminibus scaberulis. *Mich. fl. amer.* 1. *p.* 168.
Daucus divaricatus. *Walt. fl. car.* 114.
In dry sandy fields: Carolina. ☉. April, May. *v. s.*

trifoliatum. 2. S. foliis omnibus trifoliatis, foliolis dentatis, inferioribus ovalibus 2–3-lobis, superioribus ovali-lanceolatis, umbella termiali solitaria pedunculata, seminibus subrotundis. *Mich. fl. amer.* 1. *p.* 168.
In Upper Carolina. *Michaux.* +.

marginatum. 3. S. foliis pinnatis, superioribus quinatis, foliolis omnibus sessilibus lanceolatis integerrimis albido-marginatis, involucro involucellisque nullis. *Mich. fl. amer.* 1. *p.* 168.
In wet meadows: Virginia to Carolina. ♃. July, Aug. *v. v.*

245. ŒNANTHE. *Gen. pl.* 484.

carolinensis. 1. O. foliis omnibus simplicibus filiformibus. *Walt. fl. car.* 113.
South Carolina. *Walter.* +.

246. PHELLANDRIUM. *Gen. pl.* 485.

1. P. foliorum ramificationibus divaricatis. *Willd. sp. pl.* 1. *p.* 1444. *aquaticum.*
On the waters of the Rocky-mountain. *M. Lewis.* ♃. July. *v. s. in Herb. Lewis.* The Indians of that country use it as a medicine in the diseases of horses.

247. CICUTA. *Gen. pl.* 486.

1. C. foliorum serraturis mucronatis, petiolis membranaceis apice bilobis. *Willd. sp. pl.* 1. *p.* 1446. *maculata.*
Icon. *Pluk. alm. t.* 76. *f.* 1.
In wet meadows and ditches: New England to Carolina. ♃. July, Aug. *v. v.*

2. C. foliis fœniculaceis: ramis verticillatim bulbiferis.—*Willd. sp. pl.* 1. *p.* 1445. *exclus. syn. Gronov.* *bulbifera.*
In overflowed meadows and pastures: Canada to New Jersey. ♃. July. *v. v.* A very singular small plant.

248. CONIUM. *Gen. pl.* 469.

1. C. seminibus striatis. *Willd. sp. pl.* 1. *p.* 1395. *maculatum.*
Icon. *Jacq. austr.* 156.
In cultivated grounds and near habitations; probably introduced: New York and Virginia. ♂. June—Aug. *v. v.* Very poisonous.

249. CHÆROPHYLLUM. *Gen. pl.* 490.

1. C. seminibus nitidis lævibus, foliis decompositis, caule procumbente, umbellis paucifloris. *Pers. syn.* 1. *p.* 320. *procumbens.*
Scandix procumbens. *Willd. sp. pl.* 1. *p.* 1452.
On shady wet hills, on the foot of mountains: Virginia. ☉. May. *v. v.* A small and scarce plant; I observed it near Hager's Town, Maryland.

2. C. foliis ternatis, foliolis ovatis acutis subincisis, pedunculis geminis, fructibus oblongis.—*Pers. syn.* 1. *p.* 320. *canadense.*
Sison canadense. *Willd. sp. pl.* 1. *p.* 1436.
Common in the woods: Canada to Virginia. ♃. July. *v. v.*

3. C. petiolo tripartito, partialibus 3—5-foliolatis, foliolis oblongo-ovalibus subpinnatifido-lobatis, umbella pauci-radiata divaricata, fructibus elongatis teretibus lævigatis.—*Pers. syn.* 1. *p.* 320. *Claytoni.*

Scandix dulcis. *Muhlb. Mss.*
Myrrhis Claytoni. *Mich. fl. amer.* 1. *p.* 170.
In the Allegany and other mountains; New England to Carolina. ♃. June, July. *v. v.* The root has a very agreeable scent and sweet taste.

250. PASTINACA. *Gen. pl.* 494.

sativa. 1. P. foliis simpliciter pinnatis. *Willd. sp. pl.* 1. *p.* 1466.
Common Parsnep is found frequently in a wild state apparently as a native, but certainly originated from European seeds.

251. SMYRNIUM. *Gen. pl.* 495.

cordatum. 1. S. foliis radicalibus suborbiculato-cordatis crenatis, caulinis petiolatis trifoliatis, supremis 3-partitis, umbella radiis brevibus.—*Walt. fl. car.* 114.
Thapsia trifoliata. *Willd. sp. pl.* 1. *p.* 1465.
In woods, frequently on the mountains: New England to Carolina. ♃. June, July. *v. v.* Flowers yellow, as are all the following.

aureum. 2. S. foliis biternatis, partialium intermedio sæpe subquinato, foliolis ovali-lanceolatis serrulatis, umbella breviradiata.—*Willd. sp. pl.* 1. *p.* 1468.
On the mountains and hills, near banks of rivers: Pensylvania to Carolina. ♃. June, July. *v. v.*

atropurpureum. 3. S. foliis omnibus ternatis, foliolis ovatis acutis serratis. *Lam. encycl.* 3. *p.* 667.
S. barbinode. *Muhlb. mss.*
On dry slate hills: Virginia and Carolina. ♃. May—July. *v. v.* Flowers dark purple.

integerrimum. 4. S. glaberrimum; foliis glaucis, inferioribus 3-ternatis, superioribus 2-ternatis, foliolis ovalibus integris, umbella radiis paucis setaceo-elongatis.—*Willd. sp. pl.* 1. *p.* 1468.
On dry hills: New England to Carolina; scarce. ♃. June. *v. v.*

nudicaule. 5. S. foliis radicalibus 3-ternatis, foliolis inæqualiter pauci-dentatis, scapo radicali, umbella radiis elongatis, involucro involucellisque subnullis.
On the Columbia river. *M. Lewis.* ♃. April, May. *v. s. in Herb. Lewis.* The natives eat the tops of this plant and boil it in their soups, the same as we use celery.

252. SESELI. *Gen. pl.* 492.

1. S. foliis 3-ternatis, foliolis longo-linearibus, umbellis hemisphæricis, involucellis polyphyllis: foliolis linearibus longitudine umbellularum. *triternatum.*
On the waters of Columbia river. *M. Lewis.* 4. April, May. *v. s. in Herb. Lewis.* Flowers deep yellow. The fusiform root of this species is one of the grateful vegetables of the Indians: they use it baked or roasted.

253. SALSOLA. *Gen. pl.* 437.

1. S. herbacea diffusa: foliis triquetro-subulatis mucronatis lineatis, calycibus marginatis axillaribus.—*Willd. sp. pl.* 1. *p.* 1310. *Kali.*
Icon. *Pall. illustr. t.* 28 & 29.
Near the sea-coast, in gravelly dry soil: frequent; plentifully in the city of New York. ⊙. July. *v. v.* Flowers very small; seeds in a membranaceous calyx.

2. S. herbacea, decumbens, glabra; foliis dilatato-subulatis spinescentibus, gemmis fructificantibus valde turgidis, calycibus fructiferis explanato-alatis. *Mich. fl. amer.* 1. *p.* 174. *Walt. fl. car.* 111. *caroliniana.*
In Carolina. *Michaux.* +. Probably only a variety of the preceding species.

3. S. herbacea, erectiuscula, ramosissima; foliis linearibus muticis carnosis, glomerulis confertis subspicatis, calycibus fructiferis depresso-subrotundis.—*Willd. sp. pl.* 1. *p.* 1312. *Mich. fl. amer.* 1. *p.* 174. *salsa.*
Icon. *Jacq. hort.* 3. *t.* 83.
On the mouth of the river St. Laurence. *Michaux.* ⊙. *v. s.*

4. S. herbacea, humifusa, ramosissima; ramulis distichis foliis succulentis linearibus acutis glabris, floribus axillaribus sessilibus, staminibus exertis. *depressa.*
Sueda prostrata. *Pall. illustr.* 55. *t.* 47.
On the volcanic plains of the Missouri. *Nuttall.* ⊙. June. +.

254. CHENOPODIUM. *Gen. pl.* 435.

1. C. foliis triangulari-sagittatis integerrimis, spicis compositis aphyllis axillaribus. *Willd. sp. pl.* 3. *p.* 1299. *Bonus Henricus.*
Icon. *Engl. bot.* 717.
In Virginia. *Gronov.* 4. June—Aug. *v. v.* I never

observed this species myself in America, but it is very probable it may be found there, as Gronovius asserts.

mitrale. 2. C. foliis ovatis inæqualiter dentatis acutis nitidis, racemis ramosis cymosis aphyllis.—*Willd. sp. pl.* 1. *p.* 1301.
Frequent on road sides, among rubbish and in gardens. ⊙. July—Sept. *v. v.*

album. 3. C. foliis rhomboideo-ovatis erosis postice integris: superioribus oblongis integerrimis, seminibus lævibus. *Smith fl. brit.* 1. *p.* 273. *Willd. sp. pl.* 1. *p.* 1302.
Icon. *Engl. bot.* 722.

viride. β. *Willd. sp. pl.* 1. *p.* 1303.
In cultivated grounds, near roads and fences: common. ⊙. July, Aug. *v. v.*

hybridum. 4. C. foliis cordatis angulato-dentatis acuminatis, racemis ramosissimis subcymosis divaricatis aphyllis. *Smith fl. brit.* 1. *p.* 275. *Willd. sp. pl.* 1. *p.* 1303.
Icon. *Curt. lond.* 4. *t.* 23.
In wet rocky situations: on the North river nea Catskill, New York. ⊙. July, Aug. *v. v.*

Botrys. 5. C. foliis oblongis sinuatis, racemis nudis multifidis. *Willd. sp. pl.* 1. *p.* 1304.
On the banks of the Susquehanna, Pensylvania, and about Onondago, New York. ⊙. July, Aug. *v. v.*
Smell strong, but not disagreeable.

ambrosioides. 6. C. foliis lanceolatis dentatis, racemis foliatis simplicibus. *Willd. sp. pl.* 1. *p.* 1304.
Icon. *Moris. hist.* 2. *s.* 5. *t.* 33. *f.* 8.
In sandy fields: Georgia. ⊙. July. *v. v.* Very sweet scented.

anthelminticum. 7. C. foliis ovato-oblongis dentatis, spicis longis interruptis aphyllis.—*Willd. sp. pl.* 1. *p.* 1304.
Icon. *Dill. elth. t.* 66. *f.* 76.
On road sides: Pensylvania and Virginia; plentifully in the streets of Philadelphia. ♃. June—Aug. *v. v.*
Smells very strong, but not disagreeable to some persons.

maritimum. 8. C. foliis subulatis carnosis semiteretibus, floribus glomeratis axillaribus. *Willd. sp. pl.* 1. *p.* 1307.
Icon. *Moris. hist.* 2. *s.* 5. *t.* 33. *f.* 3.
On the sea-coast of Pensylvania and Virginia. ⊙. July, Aug. *v. v.*

255. ATRIPLEX. *Gen. pl.* 1577.

1. A. caule fruticoso, foliis alternis oppositisve oblongo-subrhombeis integerrimis. *Willd. sp. pl.* 4. *p.* 957. *Halimus.*
On the sea-coast of Virginia. *Gronovius.* ♄. *v. v. in Hortis.* I take this species up only on the authority of Gronovius, having never seen it myself as a native of America.

2. A. caule erecto herbaceo, foliis triangularibus dentatis concoloribus, calycibus fructus ovatis reticulatis integerrimis. *Willd. sp. pl.* 4. *p.* 961. *hortensis.*
Frequent in fields and about gardens. ☉. July. *v. v.*

3. A. caule erecto herbaceo, foliis triangularibus profunde dentatis subtus albidis, calycibus fructus rhombeis trinerviis denticulatis. *Willd. sp. pl.* 4. *p.* 963. *laciniata.*
Icon. *Moris. hist.* 2. *s.* 5. *t.* 32. *f.* 17.
Near the sea-coast, on banks of rivers: New York to Virginia. ☉. June—Aug. *v. v.* Leaves gray.

4. A. caule herbaceo erecto, foliis triangulari-hastatis profunde dentatis concoloribus, calycibus fructus sinuato-dentatis, dente intermedio elongato. *Willd. sp. pl.* 1. *p.* 963. *hastata.*
Frequent about gardens and in fields. ☉. July. *v. v.*

256. CANNABIS. *Gen. pl.* 1522.

1. C. foliis digitatis. *Willd. sp. pl.* 4. *p.* 768. *sativa.*
Common hemp is frequently found in fields, apparently indigenous, though it is one of those plants introduced from Europe. ☉.

257. HUMULUS. *Gen. pl.* 1523.

1. Humulus. *Willd. sp. pl.* 4. *p.* 769.
In deep shady valleys on the mountains and on river sides in the lower countries, frequent. It is really indigenous. ♃.

258. ULMUS. *Gen. pl.* 443.

1. U. ramis lævibus basi inæqualibus: serraturis uncinato-acuminatis, floribus pedicellatis, fructibus villo densissimo fimbriatis.—*Willd. sp. pl.* 1. *p.* 1325. *americana.*
Icon. *Mich. arb. t.* . . .

pendula. β. U. foliis oblongis glabriusculis, ramis pendulis. *Ait. kew.* 1. *p.* 319.
Common in all low lands and woods; New England to Carolina. ♄. April. *v. v.* Known by the name of *White Elm.*

nemoralis. 2. U. foliis oblongis glabriusculis æqualiter serratis basi subæqualibus, floribus sessilibus. *Ait. kew.* 1. *p.* 319.
U. campestris. *Walt. fl. car.* 111.
On the banks of rivers: New England to Virginia; scarce. ♄. April, May. *v. v. River Elm.*

fulva. 3. U. ramis scabris albidis, foliis ovato-oblongis acuminatis basi subæqualibus, inæqualiter serratis utrinque pubescentibus scaberrimis, gemmis lana densa fulva tomentosis, floribus sessilibus.—*Mich. fl. amer.* 1. *p.* 172.
Icon. *Mich. arb. t.* ...
On mountains from Canada to Pensylvania. ♄. May. *v. v. Red Elm. Slippery Elm.* The viscous inside bark is used by the natives as a healing salve.

alata. 4. U. ramis utrinque alato-suberosis, foliis oblongo-ovalibus sensim acutis basi subæqualibus, fructu pubescente cilioso.—*Mich. fl. amer.* 1. *p.* 173.
U. pumila. *Walt. fl. car.* 111.
Icon. *Mich. arb. t.* ...
In sandy low woods: Virginia and Carolina. ♄. April. *v. v. Whahoo.*

259. CELTIS. *Gen. pl.* 1591.

occidentalis. 1. C. foliis ovatis acuminatis æqualiter serratis basi inæqualibus supra scabris, subtus hirtis, fructu solitario.—*Willd. sp. pl.* 4. *p.* 994.
Icon. *Duham. arb.* 1. *t.* 53. *Mich. arb. t.* ...
In woods and near rivers: Canada to Carolina. ♄. May. *v. v. Nettle-tree.* Berries dark purple.

crassifolia. 2. C. foliis ovatis acuminatis inæqualiter serratis basi inæqualiter cordatis subcoriaceis utrinque scabris, pedunculis subbifloris.—*Willd. sp. pl.* 4. *p.* 995.
C. cordifolia. *Duham.* 2. *t.* 9.
In woods and near rivers: Virginia, Kentucky, and Tennassee. ♄. May. *v. v.* Known by the name of *Hagberry* or *Hoop-ash.*

pumila. 3. C. foliis ovatis acuminatis æqualiter serratis basi inæqua-

libus utrinque glabriusculis: junioribus tantum pubescentibus, pedunculis subtrifloris, fructu solitario.
On the banks of rivers: Maryland and Virginia. ♄. May. *v. v.* A small straggling bush; berries ovate, black.

III. *TRIGYNIA.*

260. VIBURNUM. *Gen. pl.* 503.

1. V. glabrum; ramis patentissimis, foliis subrotundis crenato-serratis, petiolis lævibus, cymis sessilibus, fructibus rotundatis.—*Willd sp. pl.* 1. *p.* 1847. *prunifolium.*
Icon. *Pluk. alm. t.* 46. *f.* 2. *Duham.* 2. *t.* 38.
Common in hedges and fields: New England to Carolina. ♄. May, June. *v. v.* Berries dark blue; flowers, as all the following species, white.

2. V. glabrum; foliis ovatis subacutis subserratis, petiolis lævibus, fructibus ovato-oblongis cymis subpedunculatis.—*Lam. encycl.* 8. *p.* 653. *pyrifolium.*
On the banks of rivers: Pensylvania, New Jersey, &c. ♄. May, June. *v. v.* Resembles the former, but is not so straggling in its growth; berries black.

3. V. glabrum; foliis lato-ovatis acuminatis uncinato-serratis, petiolis marginatis undulatis, cymis sessilibus.—*Willd. sp. pl.* 1. *p.* 1491. *Lentago.*
Frequent among hedges and on borders of woods: New England to Carolina. ♄. July. *v. v.* Is more inclined to grow to a tree than any of the rest; berries black.

4. V. glaberrimum; foliis ovalibus margine revol. integerrimis, petiolis lævibus, cymis ebracteatis pedunculatis.—*Willd. sp. pl.* 1. *p.* 1487.
Icon. *Mill. ic.* 274.
In swamps, particularly on sandy soil: Canada to Georgia. ♄. May, June. *v. v.* Berries black; in the Southern States it becomes an evergreen; the young branches are ferruginous and sometimes the leaves on their under surface.

5. V. glabrum; foliis obovatis crenato-dentatis seu integerrimis obtusis, umbellis sessilibus, fructibus ovato-subrotundis.—*Lam. encycl.* 8. *p.* 658. *Walt. fl. car.* 116. *obovatum.*

V. cassinoides. *Mich. fl. amer.* 1. *p.* 179.

punicifolium. β. V. foliis obovatis integris seu apice laxe crenatis obtusis. *Hort. par.* 115.

In shady woods: Carolina and Georgia. ♄. May, June. *v. s.*

cassinoides. 6. V. glabrum; foliis ovato-lanceolatis utrinque acutis crenatis margine subrevolutis, petiolis carinatis eglandulatis.—*Willd. sp. pl.* 1. *p.* 1491.

In swamps: New York to Carolina. ♄. June, July. *v. v.* Berries blueish-black.

lævigatum. 7. V. foliis lanceolatis lævibus remote-serratis basi integerrimis, ramulis ancipitibus.—*Willd. sp. pl.* 1. *p.* 1492.

Icon. *Mill. ic.* *t.* 83. *f.* 1.

Near the sea-coast: Virginia and Carolina. ♄. June, July. *v. v.* Berries black.

nitidum. 8. V. glaberrimum; foliis lineari-lanceolatis supra nitidis obsolete serratis integrisve; ramis tetragonis.—*Willd. sp. pl.* 1. *p.* 1492.

In sandy barren woods: Carolina and Georgia. ♄. *v. v. s. fl.* A low shrub with small leaves.

dentatum. 9. V. glabriusculum; foliis suborbiculatis ovatisque acutis dentato-serratis plicato-sulcatis utrinque glabris, cymis pedunculatis, fructibus subglobosis.—*Willd. sp. pl.* 1. *p.* 1488.

Icon. *Jacq. hort.* *t.* 36.

In mountain woods; frequent: New York to Carolina. ♄. June, July. *v. v.* Berries dark blue; known by the name of *Arrow-wood.*

pubescens. 10. V. pubescens; foliis ovalibus acuminatis dentato-serratis plicato-sulcatis subtus villoso-tomentosis, cymis pedunculatis, fructibus oblongis.

V. dentatum pubescens. *Ait. kew.* 1. *p.* 168.

V. dentatum tomentosum. *Mich. fl. amer.* 1. *p.* 179.

In the lower parts of Virginia and Carolina. ♄. June. *v. v.* The whole of the shrub smaller than the preceding one.

lantanoides. 11. V. petiolis nervisque pulverulento-tomentosis, foliis amplis suborbiculato-cordatis abrupte acuminatis inæqualiter serratis, serraturis muticis, cymis arcte sessilibus, fructibus ovatis.—*Mich. fl. amer.* 1. *p.* 179.

V. Lantana glandifolium. *Ait. kew.* 1. *p.* 168.

In shady woods on high mountains: Canada to Virginia; principally in the forests called *Beech-woods.* ♄.

June, July. *v. v.* Berries red, but when ripe black; known by the name of *Hobble-bush.*

12. V. ramulis petiolisque pilosis eglandulosis, foliis subcordato-ovatis trilobisve acuminatis argute-serratis subtus pubescentibus, cymis longe-pedunculatis.—*Willd. sp. pl.* 1. *p.* 1489. *acerifolium.*

Icon. *Vent. hort. cels. t.* 72.

In rocky mountainous situations: New England to Carolina. ♄. May, June. *v. v.* Berries black.

13. V. foliis suborbiculato-cordatis plicato-sulcatis dentatis subtus pubescentibus, petiolis subglandulosis, cymis radiatis, fructibus oblongo-ovatis. *Mich. fl. amer.* 1. *p.* 180. *molle.*

V. alnifolium. *Marsh. arb.* 162.

In hedges: Kentucky near Danville. *Michaux.* Tennassee and Upper Carolina. ♄. June, July. *v. s.* Berries red; resembles the following species.

14. V. foliis trilobatis postice acutis 3-nervibus: lobis divaricatis promisse acuminatis rariter dentatis, petiolis glandulosis, cymis radiatis. *Oxycoccos.*

V. Opulus americanum. *Ait. kew.* 1. *p.* 168.

V. Opulus Pimina. *Mich. fl. amer.* 1. *p.* 180.

V. trilobum. *Marsh. arb.* 162.

In swamps and shady woods: Canada; on the mountains of New York and New Jersey. ♄. July. *v. v.* Berries red, of an agreeable acid; resembling that of Cranberries, *Vaccinium macrocarpon*, for which they are a very good substitute.

15. V. foliis trilobatis, postice obtusiusculis 3-nervibus: lobis brevissimis denticulato-serratis, serraturis acuminatis, petiolis glandulosis, cymis radiatis. *edule.*

V. Opulus edule. *Mich. fl. amer.* 1. *p.* 180.

On the banks of rivers: Canada to New York. ♄. July. *v. v.* A smaller and more upright shrub than the preceding species; berries the same colour and size, but, when completely ripe, more agreeable to eat.

261. SAMBUCUS. *Gen. pl.* 505.

1. S. ramulis petiolisque glaberrimis, foliolis sub-4-jugis oblongo-ovalibus nitidis glabris acuminatis: nervo medio subpubescente, basi interdum appendiculatis, cymis laxis 5-fidis.—*Willd. sp. pl.* 1. *p.* 1494. *canadensis.*

Icon. *Schmidt arb.* 142.

In swamps and near hedges: Canada to Carolina. ♄. June, July. *v. v.* Berries dark purple or black.

rubescens. 2. S. cortice verrucoso, foliolis 2-jugis ovali-lanceolatis subtus pubescentibus, cymis confertis racemosis.—*Mich. fl. amer.* 1. *p.* 181.

On the highest mountains from Canada to Carolina. ♄. July. *v. v.* Berries red; resembles *S. racemosa* very much.

262. RHUS. *Gen. pl.* 502.

typhinum. 1. R. subarborescens; ramis petiolisque villosissimis, foliis pinnatis multijugis, foliolis lanceolato-oblongis argute serratis subtus subtomentosis.—*Willd. sp. pl.* 1. *p.* 1478.

Icon. *Duham.* 2. *t.* 47.

In rocky dry situations: Canada to Virginia. ♄. July, Aug. *v. v.* The purple velvety berries appear in large close clusters.

glabrum. 2. R. undique glabrum; foliis pinnatis multijugis, foliolis lanceolato-oblongis serratis subtus albicantibus, fructibus holosericeis.—*Willd. sp. pl.* 1. *p.* 1478.

coccineum. β. R. elegans. *Ait. kew.* 1. *p.* 162. *Catesb. car. appen. t.* 4. Icon. *Dill. elth. t.* 243. *f.* 314. *Catesb. car.* 3. *t.* 4.

Common in old fields and along fences: New England to Carolina. ♄. July, Aug. *v. v.* Berries red; flowers greenish-red; in var. β. scarlet.

viridiflorum. 3. R. glabriusculum; foliis pinnatis multijugis, foliolis lanceolato-oblongis serratis subtus subtomentosis, racemis erectis herbaceis.—*Lam. encycl.* 7. *p.* 504.

R. canadense. *Mill. dict. no.* 5.

On the edges of woods, in dry sunny situations: Pensylvania and Virginia. ♄. July, Aug. *v. v.* Flowers yellowish-green; probably not much more than a variety of the foregoing species.

pumilum. 4. R. humile; ramis petiolisque pubescentibus, foliis pinnatis multijugis, foliolis ovalibus vix acuminatis aut muticis inciso-dentatis subtus tomentosis, fructibus holosericeis. *Mich. fl. amer.* 1. *p.* 182.

In Upper Carolina. ♄. July. *v. s. in Herb. Lyon.*; *v. v. in Hortis.* Not above a foot high: it is the most poisonous of the genus, according to information from Mr. J. Lyon, who, by collecting the seed of this species, got poisoned all over his body, and was lamed for a considerable time.

5. R. arborescens, glaberrimum; foliis pinnatis multijugis, foliolis ovalibus abrupte acuminatis integris, panicula laxa, floribus dioicis, fructibus glabris.—*Willd. sp. pl.* 1. *p.* 1479. *Vernix.*

Icon. *Dill. elth. t.* 292. *f.* 377. *Pluk. alm. t.* 145. *f.* 1.

In low copses: Canada to Carolina. ♄. July. *v. v.* Berries white.

6. R. ramis punctatis, foliis pinnatis multijugis (5—6), foliolis ovali-lanceolatis integerrimis supra lucidis, panicula foliosa, racemis sessilibus, floribus dioicis.—*Willd. sp. pl.* 1. *p.* 1480. *Copallinum.*

Icon. *Hort. schœnbr.* 341. *Pluk. alm. t.* 56. *f.* 1.

In dry fields and woods, particularly sandy soil: New Jersey to Carolina. ♄. July. *v. v.* Berries red. The leaves of this species are used as tobacco by the Indians of the Missouri and Mississippi.

7. R. radicans; foliis ternatis, foliolis ventricoso-ovalibus integris aut sinuate-crenatis, racemis rameis et axillaribus sessilibus dioicis.—*Willd. sp. pl.* 1. *p.* 1481. *Mich. fl. amer.* 1. *p.* 183. *Toxicodendron.*

α. R. radicante-scandens; foliolis amplis integris seu rariter dentatis. *Mich. l. c.* vulgare.

R. radicans. *Willd. sp. pl.* 1. *p.* 1481.

β. R. erectum, humile; foliolis varie sinuato-lobatis, subtus floratione tomentosis. *Mich. l. c.* quercifolium.

γ. R. foliolis oblongo-ovalibus longe acuminatis subrhomboideis, fructu multo minore. *Mich. l. c.* microcarpon.

Common in all woods, fields, and along fences: Canada to Georgia. ♄. June, July. *v. v.* Berries white; known by the name *Poison-oak* or *Poison-vine*. There is no doubt but *R. radicans* and *Toxicodendron* are only local varieties.

8. R. fruticulosum, amentaceum, nudiflorum; foliis ternatis, foliolis rhombeo-ovalibus dentatis subtus pubescentibus, floribus dioicis.—*Willd. sp. pl.* 1. *p.* 1482. *aromaticum.*

R. canadense. *Marsh. arb.* 129.

Icon. *Turpin in annal. du mus. hist. nat.* 5. *p.* 445. *t.* 30.

In rocky situations, about springs: Pensylvania, Carolina, and Kentucky. ♄. May, June. *v. v.* Flowers yellow, in catkins, which give it quite a different appearance from the habitus of the genus. *Myrica trifoliata* Hort. is the same with *R. suaveolens* Ait. and is nothing more than the male plant of this species. Berries brown.

263. STAPHYLEA. *Gen. pl.* 507.

trifolia. 1. S. foliis trifoliatis: racemis pendulis, petalis inferne ciliatis, fructu ovato.—*Willd. sp. pl.* 1. *p.* 1498.
Icon. *Schmidt arb.* 81.
On the side of dry hills, in rocky situations: New York to Upper Carolina. ♄. May, June. *v. v.* Flowers white.

264. TURNERA. *Gen. pl.* 514.

cistoides. 1. T. hirsuta; foliis lineari-lanceolatis obtuse dentato-serratis, pedunculis axillaribus folio brevioribus.—*Willd. sp. pl.* 1. *p.* 1505.
Icon. *Plum. ic. t.* 150. *f.* 1. *Sloan. jam.* 1. *t.* 127. *f.* 7.
In dry sandy woods, near the town of Savannah, Georgia. *Enslen.* ☉. July. *v. s. in Herb. Enslen.* Flowers yellow, resembling those of *Cistus carolinianus.*

265. CROTONOPSIS. *Mich. fl. amer.* 2. *p.* 185.

argentea. 1. C. caule erecto dichotome ramosissima, foliis supra stellato-pilosis, subtus argenteo-lepidotis.
linearis. α. C. foliis lineari-lanceolatis. *Willd. sp. pl.* 4. *p.* 380. *Mich. fl. amer.* 2. *p.* 186.
elliptica. β. C. foliis ellipticis utrinque obtusis. *Willd. l. c.*
In sandy soil near the sea-coast, Illinois country and on the Missouri. ☉. July. *v. v.* Flowers very minute.

266. KOCHIA. *Roth in Schrad. journ.* 1800. *p.* 307.

dentata. 1. K. foliis lanceolatis sinuato-dentatis, caule erecto ramosissimo.—*Willd. hort. berol.* 1. *t.* 28.
Salsola radiata. *Desf. in annal. mus. nat. p.* 28. *t.* 34.
Salsola platyphylla. *Mich. fl. amer.* 1. *p.* 174.
On the banks of the Mississippi, in the Illinois country. ☉. June. *v. v.* This plant has the aspect of a *Chenopodium* in every part.

267. AMARANTHUS. *Gen. pl.* 1431.

allus. 1. A. glomerulis axillaribus triandris, foliis obovatis retusis, caule tetragono simplici. *Willd. sp. pl.* 4. *p.* 382.
Icon. *Willd. amaranth. t.* 1. *f.* 2.
A common weed in the gardens. ☉. May—Sept. *v. v.*

2. A. glomerulis axillaribus triandris, floribus trifidis, foliis obovatis emarginatis, caule teretiusculo ramoso. *Willd. sp. pl.* 4. *p.* 382. *græcizans.*
Icon. *Willd. amaranth. t.* 4. *f.* 7.
In cultivated grounds: Virginia. ⊙. Aug. *v. v.*

3. A. glomerulis triandris subspicatis rotundatis, foliis ellipticis retusis, caule erecto. *Willd. amaranth. p.* 20. *t.* 1. *f.* 1. *lividus.*
In similar situations: Virginia. ⊙. June—Aug. *v. v.*

4. A. glomerulis triandris subspicatis, floribus triphyllis, foliis ovatis retusis, caule diffuso. *Willd. sp. pl.* 4. *p.* 387. *Blitum.*
Frequently a very troublesome weed in gardens. ⊙. June—Sept. *v. v.*

5. A. glomerulis axillaribus geminis triandris, floribus masculis triphyllis, foliis ellipticis emarginatis margine undulatis. *Willd. amaranth.* 18. *t.* 8. *f.* 16. *viridis.*
Frequently found on road sides and among rubbish. ⊙. July, Aug. *v. v.*

6. A. racemis pentandris decompositis congestis erectis, foliis ovato-lanceolatis. *Willd. amaranth. p.* 26. *t.* 9. *f.* 17. *hybridus.*
Common in cultivated grounds: New York to Carolina. ⊙. June—Sept. *v. v.*

7. A. racemis pentandris supradecompositis, ramis patentibus pubescentibus, foliis ovato-lanceolatis. *Willd. amaranth.* 32. *t.* 2. *f.* 2. *paniculatus.*
Among rubbish and in cultivated grounds: Pensylvania to Virginia. ⊙. Aug. *v. v.*

8. A. racemis pentandris supradecompositis erectis, ramis patentibus glabris, foliis oblongis acutis. *Willd. amaranth.* 31. *t.* 2. *f.* 3. *sanguineus.*
In cultivated fields: Virginia and Carolina. ⊙. July. *v. v.*

9. A. racemis pentandris supradecompositis confertis erectis, ramis pubescentibus, foliis ovatis undulatis. *Willd. amaranth.* 33. *t.* 11. *f.* 21. *retroflexus.*
In cultivated grounds and on road sides: Pensylvania to Virginia. ⊙. June—Aug. *v. v.*

10. A. racemis pentandris compositis confertis erectis, foliis oblongo-lanceolatis mucronatis. *Willd. amaranth.* 80. *hypochondriacus.*
Common in fields of Virginia. ⊙. July, Aug. *v. v.*
Leaves red.

spinosus. 11. A. racemis pentandris terminalibus compositis, axillis spinosis. *Willd. amaranth.* 38. *t.* 4. *f.* 8.
On road sides and among rubbish; frequent. ☉. June—Sept. *v. v.*

268. ACNIDA. *Gen. pl.* 1521. *Mich. fl. amer.* 2. *p.* 233.

cannabina. 1. A. foliis lanceolatis, capsulis lævisculis acutangulis. *Willd. sp. pl.* 4. *p.* 767.
On the banks of rivers and in marshes near the sea-coast: New England to Carolina. ☉. July, Aug. *v. v.*

ruscocarpa. 2. A. foliis ovali-lanceolatis, capsulis obtusangulis rugosis. *Willd. sp. pl.* 4. *p.* 767.
Icon. *Mich. fl. amer.* 2. *t.* 50.
In close swamps, on the banks of rivers among bushes: Virginia. ☉. July, Aug. *v. s. in Herb. Lyon.*
Very tall and robust.

IV. *TETRAGYNIA.*

269. PARNASSIA. *Gen. pl.* 523.

palustris. 1. P. foliis radicalibus cordatis, nectariis multisetis.—*Willd. sp. pl.* 1. *p.* 1516.
Icon. *Fl. dan.* 584. *Engl. bot.* 82.
In bog meadows: Pensylvania and Virginia. ♃. July, Aug. *v. v.* Flowers white, with netted veins of green or pale purple.

caroliniana. 2. P. foliis radicalibus suborbiculatis, nectariis trisetis. *Mich. fl. amer.* 1. *p.* 184.
Icon. *Bot. mag.* 1459.
In swamps and mosses: New York to Virginia. ♃. July, Aug. *v. v.* Flower the same as No. 1.

asarifolia. 3. P. foliis radicalibus reniformibus, petalis unguiculatis, nectariis trifidis. *Vent. malmais.* 39. *t.* 39.
On high mountains in Virginia and Carolina. ♃. July, Aug. *v. v.* Larger in leaves and flowers than the preceding species.

V. PENTAGYNIA.

270. ARALIA. *Gen. pl.* 525.

1. A. subacaulis, unifoliata; folio triternato vel triquinato: foliolis oblongo-ovalibus, scapo nudo folio breviore, umbellulis paucis.—*Willd. sp. pl.* 1. *p.* 1521. *nudicaulis.*
Icon. *Pluk. alm. t.* 238. *f.* 5.
In shady rocky woods: Canada to Carolina. ♃. May; June. *v. v.* Commonly called *Sarsaparilla*, and as such used in the shops.

2. A. divaricato-ramosa; petiolis 3-partitis, partitionibus 3—5-foliolatis, foliolis plerisque cordatis, ramulis axillaribus foliosis, umbellulis pluribus subpaniculatis superne aphyllis.—*Willd. sp. pl.* 1. *p.* 1521. *racemosa.*
Icon. *Cold. canad. t.* 75. *Moris. hist.* 1. *s.* 1. *t.* 2. *f.* 9.
In rocky and shady situations: Canada to Virginia. ♃. June—Sept. *v. v.* Known by the name of *Spikenard*, and highly esteemed as a medicine.

3. A. humilis, suffruticosa; caulibus petiolisque setis hispidis, foliis duplicato-pinnatis, foliolis ovatis inciso-serratis inermibus glabris; umbellulis longissime pedunculatis.—*Mich. fl. amer.* 1. *p.* 185. *hispida.*
Icon. *Bot. mag.* 1085. *Vent. hort. cels.* 41.
In stony woods: Canada, New England, &c. On high mountains: Pensylvania, Virginia. ♄. June, July. *v. v.* Called *Wild Elder*.

4. A. caule arborescente foliisque spinosis, foliis duplicato-pinnatis, foliolis leviter serratis, panicula ramosissima, umbellis numerosis.—*Willd. sp. pl.* 1. *p.* 1520. *spinosa.*
β. A. caule spinoso glauco, foliis inermibus. *inermis.*
Icon. *Schmidt arb.* 102 & 103. *Comm. hort.* 1. *t.* 47.
In fertile low woods of Lower Virginia and Carolina, likewise in the Illinois country. ♄. Aug. Sept. *v. v.* Known by the name of *Angelica-tree*. The berries used in an infusion of wine or spirits are a remarkable medicine for relieving rheumatic pains. The var. β. was found near Charlestown, South Carolina; I have not seen its flowers.

271. ZANTHOXYLUM. *Gen. pl.* 1512.

1. Z. aculeatum; foliis pinnatis, foliolis ovali-lanceolatis subintegerrimis sessilibus basi æqualibus, petiolo com- *fraxineum.*

muni inermi, umbellis axillaribus.—*Willd. sp. pl.* 4. *p.* 754.

Z. Clava Herculis β. *Linn. sp. pl.* 1455.

Z. ramiflorum. *Mich. fl. amer.* 2. *p.* 235.

Icon. *Duham. arb.* 1. *t.* 97.

In shady woods, near rivers: Canada to Virginia and Kentucky. ♄. April, May. *v. v.* A tincture of the bark and capsules is recommended in rheumatism and tooth-ach, from which its name *Tooth-ach-tree.*

tricarpon. 2. Z. aculeatum; foliis pinnatis, foliolis petiolatis oblongo-ovalibus acuminatis serrulatis basi obliquis, petiolo communi aculeato, capsulis ternis sessilibus.—*Mich. fl. amer.* 2. *p.* 235.

In woods of Carolina and Florida. *Michaux.* ♄. July. *v. v. in Hortis.*

272. LINUM. *Gen. pl.* 528.

usitatissimum. 1. L. foliolis calycinis ovatis acutis trinervibus, petalis crenatis, foliis lanceolatis alternis, caule subsolitario.—*Willd. sp. pl.* 1. *p.* 1533.

Icon. *Engl. bot.* 1357.

Common flax is frequently found in old fields, apparently indigenous. ⊙. June, July. *v. v.* Flowers blue.

Lewisii. 2. L. foliolis calycinis ovatis acuminatis, petalis cuneatis apice rotundatis, foliis sparsis lanceolato-linearibus mucronatis, caulibus altis numerosis.

In the valleys of the Rocky-mountains and on the banks of the Missouri. *M. Lewis.* ♃. July. *v. v.* Flowers large, blue; a very good perennial, and it probably might become an useful plant if cultivated.

virginicum. 3. L. foliolis calycinis acutis panicula terminali, floribus remote alternis, foliis lineari-lanceolatis sparsis: radicalibus ovatis.—*Willd. sp. pl.* 1. *p.* 1538.

On dry sunny hills and fields: New York to Virginia. ⊙. July, Aug. *v. v.* Flowers small, yellow.

rigidum. 4. L. foliolis calycinis ovatis acuminatis trinervibus ciliatis, petalis oblongis angustissimis, foliis rigide-erectis linearibus brevibus.

On the Missouri. *Nuttall. v. s.* Flowers sulphur-yellow.

273. DROSERA. *Gen. pl.* 531.

rotundifolia. 1. D. scapis radicatis simplicibus, foliis suborbiculatis basi attenuatis, petiolis elongatis pilosis.—*Willd. sp. pl.* 1. *p.* 1543. *Mich. fl. amer.* 1. *p.* 186.

Icon. *Fl. dan.* 1028.
In swamps filled with sphagnum, as all the following species, generally on sandy or gravelly ground. ♃. July, Aug. *v. v.* Flowers white; a very delicate and curious plant, as are all the rest of this genus.

2. D. scapis radicatis simplicibus, foliis spathulato-obovatis, petiolis elongatis nudis.—*Willd. sp. pl.* 1. *p.* 1544. *Mich. fl. amer.* 1. *p.* 186. *longifolia.*
Icon. *Engl. bot.* 868. *Moris. hist.* 1. *s.* 15. *t.* 4. *f.* 2.
In similar situations: Canada to Carolina. ♃. July. *v. v.*

3. D. pusilla; scapis radicatis simplicibus, foliis brevibus cuneatis vix petiolatis, petalis ovalibus. *brevifolia.*
In sandy swamps of Georgia. *Enslen.* ☉. June. *v. s. in Herb. Enslen.* The smallest of all the species known; flowers rose-coloured.

4. D. scapis radicatis subramosis, foliis filiformibus longissimis. *filiformis.*
In the pine-barrens of New Jersey near Tuckerton. ♃. June. *v. v.* Flowers large, purple.
Radix: Hybernaculum squamosum, extus ferrugineo-lanuginosum. *Folia* primordialia glabra, dilatato-subulata; secundaria radicalia spiraliter erumpentia, angustissime linearia subtus glabra, supra pilis rubris viscidis tecta, 9—12 pollices longa. *Scapi* erecti, pedales et ultra, teretes, glabri, interdum vivipari, bulbiferi. *Racemus* spicatus, unilateralis, recurvatus, simplex seu ramosus. *Flores* pedicellati, erecti, magni, purpurei. *Styli* sex, interdum novem.
This elegant species I discovered about 1805, in the place above mentioned: this extensive swamp, interspersed with barren sand hills, might be called a natural botanic garden, uniting a number of southern plants with those of the north, as mentioned in the preface.

274. SIBBALDIA. *Gen. pl.* 536.

1. S. erecta, foliis linearibus multifidis. *Willd. sp. pl.* 1. *p.* 1567. *erecta.*
Icon. *Amm. ruth. t.* 15.
On the banks of the Missouri. *Nuttall.* ♃. July. *v. s. in Herb. Nuttall.* Flowers small, flesh-coloured.

2. S. procumbens, foliis tridentatis. *Willd. sp. pl.* 1. *p.* 1567. *procumbens.*
Icon. *Fl. dan.* 32. *Pluk. alm. t.* 212. *f.* 3.
On the Missouri. *Nuttall.* On high mountains of Canada and Vermont. ♃. April. *p. s.* Flowers yellow.

275. STATICE. *Gen. pl.* 527.

Armeria. 1. S. scapo simplici capitato, foliis linearibus planis obtusis. *Willd. sp. pl.* 1. *p.* 1522.
Icon. *Engl. bot.* 226. *Thrift. Sea Gilliflower.*
On rocks near the sea-shore: Pensylvania to Virginia. July, Aug. *v. v.* Flowers rose-coloured.

caroliniana. 2. S. scapo tereti, panicula divaricato-ramosissima, calycibus acutis, foliis lanceolato-oblongis obtusiusculis glabris margine planis.—*Walt. fl. car.* 118.
In salt-marshes along the sea-coast: New Jersey to Carolina. ♃. Aug. Sept. *v. v.* Flowers blue; resembles *St. gmelini* in some respects.

VI. *POLYGYNIA.*

276. ZANTHORHIZA. *Gen. pl.* 1581.

apiifolia. 1. Zanthorhiza. *Willd. sp. pl.* 1. *p.* 1568.
Zanthorhiza simplicissima. *Marsh. arb.* 168.
Icon. *L'Herit. stirp.* 1. *t.* 38.
On shady banks of rivers: Virginia to Georgia. ♄. May. *v. v.* A small shrub with compound leaves, and small dark-purple flowers in panicles.

277. SCHISANDRA. *Mich. fl. amer.* 2. *p.* 218.

coccinea. 1. S. glabra, foliis lanceolato-ovalibus utrinque acutis rariter subdentatis. *Mich. fl. amer.* 2. *p.* 219.
Icon. *Mich. l. c. t.* 47. *Bot. mag.* 1413.
In shady woods of Carolina and Georgia. ♄. June. *v. v.* A handsome climbing plant; flowers scarlet.

VI. HEXANDRIA.

I. MONOGYNIA.

* *Flores calyculati.*

278. BURMANNIA. *Cal.* inferus, 1-phyllus, prismaticus, coloratus. *Pet.* 3. *Caps.* 3-locularis. *Sem.* minuta.

279. TILLANDSIA. *Cal.* inferus, 3-fidus, persistens. *Cor.* 3-fida, tubulosa. *Caps.* 1—3-locularis. *Sem.* comosa.

280. TRADESCANTIA. *Cal.* inferus, 3-phyllus. *Pet.* 3. *Filam.* villis articulatis. *Caps.* 3-locularis.

281. DIPHYLLEJA. *Cal.* inferus, 3-phyllus, deciduus. *Pet.* 6. calyce opposita. *Anth.* membrana a basi ad apicem solubili dehiscentes. *Bac.* 1-locularis. *Sem.* 2—3. subrotunda.

282. CAULOPHYLLUM. *Cal.* inferus, 6-phyllus. *Pet.* 6. calyce opposita. *Anth.* loculis margine dehiscentes. *Drupa* 1-sperma.

283. BERBERIS. *Cal.* inferus, 6-phyllus, extus 3-bracteatus. *Pet.* 6. ad ungues glandulis 2. *Styl.* 0. *Stigm.* umbilicatum. *Bac.* 1-locularis, 2—4-sperma.

284. PRINOS. *Cal.* inferus, 6-fidus. *Cor.* 1-petala, rotata, 3—7-fida. *Bac.* 6-sperma. *Dioicus.*

285. GLEDITSCHIA. ♂. *Cal.* 4-fidus. *Pet.* 4. *Legumen.* ♂. *Cal.* 3-phyllus. *Pet.* 3. ♀. *Cal.* 5-phyllus. *Pet.* 5. *Legumen. Polygama.*

** *Flores spathacei.*

286. PANCRATIUM. *Cor.* supera, infundibuliformis: tubo longo. *Nectar.* campanulatum, 12-fidum. *Stam.* nectario imposita.

287. AMARYLLIS. *Cor.* supera, campanulata. *Stam.* inæqualia. *Pist.* declinatum.

288. ALLIUM. *Cor.* infera, 6-partita, patens. *Spatha* multiflora. *Umbella* congesta. *Capsula.*

289. BRODIÆA. *Cor.* infera, campanulata, 6-partita. *Filam.* fauci inserta. *Germ.* pedicellatum. *Caps.* 3-locularis: loculis polyspermis.

290. PONTEDERIA. *Cor.* infera, 6-fida, bilabiata. *Stam.* 3. summo, 3. medio tubo corollæ inserta. *Caps.* 3-locularis.

291. HYPOXIS. *Cor.* supera, 6-partita, persistens. *Spatha* 2-valvis. *Caps.* elongata. *Sem.* subrotunda, nuda.

**** Flores nudi.*

292. CONOSTYLIS. *Cor.* semi-supera, 6-fida, persistens, lanata pilis ramulosis. *Anth.* erectæ. *Stylus* conicus, tripartibilis. *Stigm.* simplex. *Caps.* apice dehiscens, 3-locularis, polysperma.

293. ALETRIS. *Cor.* semi-supera, tubulosa, 6-fida, rugosa, persistens. *Stam.* summo tubo inserta. *Stylus* triqueter, tripartibilis. *Caps.* apice dehiscens, 3-locularis, polysperma.

294. AGAVE. *Cor.* supera, 6-fida: limbo erecto. *Filam.* corolla longiora, erecta.

295. PHALANGIUM. *Cor.* infera, 6-partita. *Stam.* filamentis filiformibus, nudis. *Sem.* angulata.

296. NARTHECIUM. *Cor.* infera, 6-petala, patens. *Filam.* filiformia, hirsuta. *Caps.* prismatica, 3-locularis, polysperma. *Sem.* utrinque arillo subulato instructa.

297. ORNITHOGALUM. *Cor.* infera, 6-partita. *Filam.* 3. alterna basi dilatata. *Caps.* subrotunda, 3-locularis. *Sem.* subrotunda, nuda.

298. YUCCA. *Cor.* infera, campanulata, laciniis non nectariferis. *Filam.* clavata. *Styl.* 0. *Caps.* oblonga, obtuse 3-gona. *Sem.* plana.

299. LILIUM. *Cor.* infera, 6-petala, campanulata: linea longitudinali nectarifera. *Stam.* stylo breviora. *Stigm.* indivisum. *Caps.* 3-gona. *Sem.* plana.

300. FRITILLARIA. *Cor.* infera, 6-petala, campanulata, laciniis rectis supra ungues cavitate nectarifera. *Stam.* longitudine corollæ. *Sem.* plana.

301. ERYTHRONIUM. *Cor.* infera, 6-petala, campanulata, laciniis a medio reflexis, 3. interioribus basi intus 2. callosis. *Caps.* subglobosa. *Sem.* oblonga.

302. UVULARIA. *Cor.* infera, 6-petala, campanulata, laciniis rectis, unguibus fovea nectarifera excavatis.

Filam. brevissima. *Stigm.* reflexa. *Caps.* trigona, 3-valvis: valvis medio septiferis. *Sem.* plura, subglobosa, ad hilum arillata.

303. STREPTOPUS. *Cor.* infera, 6-petala, subcampanulata. *Stigm.* brevissima. *Bacca* subglobosa, lævigata, carthacea, 3-locularis. *Sem.* pauca, hilo nudo.

304. CONVALLARIA. *Cor.* infera, 6-fida, campanulata. *Stam.* corolla breviora, ad basin inserta. *Bacca* globosa, 3-locularis: loculis 1–2-spermis. *Scapus* racemosus.

305. SMILACINA. *Cor.* infera, 6-partita, patens. *Filam.* divergentia, laciniarum basi infixa. *Bacca* globosa, 3-locularis. *Flores* terminales panjculati s. subumbellati.

306. POLYGONATUM. *Cor.* infera, 6-fida, cylindrica. *Filam.* tubo superne inserta. *Bacca* globosa, 3-locularis: loculis 2-spermis. *Flores* axillares.

307. ASPARAGUS. *Cor.* infera, 6-partita, erecta: petalis 3. interioribus apice reflexis. *Bacca* 3-locularis, polysperma. *Folia* fasciculata.

**** *Flores incompleti.*

308. ORONTIUM. *Spadix* cylindricus, flosculis tectus. *Spatha* 0. *Cal.* 6-partitus. *Stigm.* 2-fidum. *Folliculus* 1-spermus.

309. ACORUS. *Spadix* cylindricus, flosculis tectus. *Cal.* 6-partitus. *Stigm.* punctum prominens. *Caps.* 3-locularis, 3-sperma.

310. JUNCUS. *Cal.* inferus, 6-partitus, æqualis. *Stigm.* 3-lobum. *Caps.* 1-locularis, polysperma.

311. PEPLIS. *Cal.* inferus, 12-fidus. *Caps.* 2-locularis, polysperma.

II. DIGYNIA.

312. NECTRIS. *Cal.* 6-partitus: laciniis 3. interioribus petaloideis minoribus obtusis. *Utriculi* bini 1–2-spermi. *Sem.* globosa.

III. TRIGYNIA.

313. SABAL. *Spathæ* partiales. *Filam.* libera, basi incrassata. *Bacca* 1-sperma. *Sem.* osseum.

314. CHAMÆROPS. *Spatha* compressa. *Spadix* ramo-

sus. *Cal.* 3-partitus. *Pet.* 3. *Filam.* submonadelpha. *Drupæ* 3. monospermæ. *Polygama.*

315. NOLINEA. *Cor.* 6-partita, patens: laciniis subæqualibus. *Styl.* brevissimus. *Stigm.* recurva. *Caps.* 3-gona, membranacea, 3-locularis, dissepimentis bipartilibus dehiscens. *Sem.* solitaria, hinc convexo-incurva.

316. CALOCHORTUS. *Cor.* 6-partita, patens: laciniis 3. interioribus majoribus supra lanatis, basi macula glabra subrotunda notatis. *Filam.* brevissima, basi petalorum inserta. *Anth.* erectæ, sagittatæ. *Stigm.* reflexa. *Caps.* 3-locularis.

317. MELANTHIUM. *Cor.* 6-partita, patens: laciniis æqualibus unguiculatis: unguiculis staminiferis, laciniis basi biglandulosis. *Caps.* subovata, apice subtrifida, 3-locularis. *Sem.* plura, alato-membranacea. *Polygamum.*

318. ZIGADENUS. *Cor.* 6-partita, patens: laciniis subæqualibus, supra basin angustatam biglandulosis. *Stam.* ad contactum ovarii inserta. *Styli* 3. contigui. *Caps.* membranacea, 3-locularis. *Sem.* plurima, aptera.

319. VERATRUM. *Cor.* 6-partita, patens: laciniis sessilibus, eglandulosis. *Stam.* receptaculo inserta. *Caps.* 3. polyspermæ. *Polygamum.*

320. HELONIAS. *Cor.* 6-partita, patens: laciniis sessilibus eglandulosis. *Caps.* 3-locularis, 3-cornis seu 3-cocca. *Sem.* pauca (1–2).

321. MEDEOLA. *Cor.* 6-partita, revoluta. *Bacca* 3-sperma.

322. TRILLIUM. *Cor.* 6-petala, patens: laciniis 3. exterioribus angustioribus calycinis. *Bacca* 3-locularis.

323. TOFIELDIA. *Cor.* 6 petala, æqualis, calyculo minimo 3-partito cincta. *Caps.* 3. polyspermæ, basi junctæ.

324. TRIGLOCHIN. *Cal.* 6-phyllus: laciniis 3. interioribus petaloideis. *Cor.* 0. *Styl.* 0. *Caps.* basi dehiscens.

325. SCHEUCHZERIA. *Cal.* 6-partitus. *Cor.* 0. *Styl.* 0. *Stigm.* lateralia. *Caps.* 3. inflatæ, distinctæ, 1-spermæ.

326. RUMEX. *Cal.* 3-phyllus. *Pet.* 3. conniventia. *Sem.* 1. triquetrum.

327. SMILAX. *Cal.* 6-phyllus. *Cor.* 0. *Bacca* 3-locularis. *Sem.* 2. *Dioica.*

328. DIOSCOREA. *Cal.* 6-partitus. *Cor.* 0. *Caps.* 3-locularis, compressa. *Sem.* 2. membranacea.

IV. TETRAGYNIA.

329. SAURURUS. *Cal.* amentum squamis 1-floris. *Cor.* 0. *Baccæ* 4. monospermæ.

V. POLYGYNIA.

330. WENDLANDIA. *Cal.* 6-phyllus. *Cor.* 6-petala, succulenta. *Styl.* reclinati. *Caps.* 6. uniloculares, monospermæ.

331. ALISMA. *Cal.* 3-phyllus. *Pet.* 3. *Caps.* plures, monospermæ.

I. *MONOGYNIA.*

278. BURMANNIA. *Gen. pl.* 542.

1. B. flore gemino; alis semicuneatis apice truncatis.— *Willd. sp. pl* 2. *p.* 16. *biflora.*

In swamps of Virginia. ♃. Sept. *v. s. in Herb. Gronov.* Flower pale purple. This delicate little plant I never was lucky enough to find myself.

279. TILLANDSIA. *Gen. pl.* 541.

1. T. cæspitosa, pruinosa; foliis subulatis recurvatis, scapo setaceo foliis longiore summitate subbifloro.—*Willd. sp. pl.* 2. *p.* 14. *recurvata.*

Icon. *Sloan. hist.* 1. *t.* 121. *f.* 1.

Parasitic, on old trees: Florida and Georgia. ♃. June. *v. v.* Flowers purple.

2. T. filiformis, intorta, pruinosa; floribus solitariis sessilibus.—*Willd. sp. pl.* 2. *p.* 15. *usneoides.*

Icon. *Sloan. jam.* 1. *t.* 122. *f.* 2 & 3. *Pet. gaz. t.* 62. *f.* 12.

Parasitic, on old trees, in shady woods: Virginia to Florida. ♃. July. *v. v.* Flowers yellowish-green. This singular plant, known by the name of *Long-moss*, does not extend further north than the neighbourhood of the Dismal Swamp in Virginia. The fibres of it, when divested of the outside coating, make excellent mattresses, and are a very good substitute for horse-hair for that purpose.

280. TRADESCANTIA. *Gen. pl.* 542

virginica. 1. T. erecta; foliis lanceolatis elongatis glabris, floribus sessilibus umbellato-congestis pubescentibus.—*Willd. sp. pl.* 2. *p.* 16.
Icon. *Bot. mag.* 105. *Moris. hist.* 3, *s.* 5. *t.* 2. *f.* 4.
In shady woods: Pensylvania to Carolina. ♃. May, June. *v. v.* Flowers blue or purple.

rosea. 2. T. erecta; foliis lineari-gramineis prælongis, pedunculis elongatis umbellatis paucifloris, calycibus glabris.—*Mich. fl. amer.* 1. *p.* 193.
Icon. *Vent. hort. cels. t.* 24.
In wet sandy fields: Carolina and Georgia. ♃. June, July. *v. v.* Flowers rose-coloured, small, but very handsome.

281. DIPHYLLEJA. *Mich. fl. amer.* 1. *p.* 203.

cymosa. 1. D. glaberrima; foliis subpalmatis angulato-lobatis serratis: lobis acuminatis, cyma multiflora. *Mich. l. c.*
Icon. *Mich. l. c. t.* 19 & 20.
Near rivulets on the high mountains of Virginia and Carolina. ♃. May, June. *v. v.* Flowers white; berries dark blue: the whole of the plant has the appearance of *Podophyllum peltatum.*

282. CAULOPHYLLUM. *Mich. fl. amer.* 1. *p.* 204.

thalictroides. 1. C. glaberrimum; foliis supradecompositis, foliolis ovalibus, inferioribus petiolatis lobatisque, extremo trilobato.—*Mich. l. c. t.* 21.
Leontice thalictroides. *Willd. sp. pl.* 2. *p.* 149.
In shady woods, on the side of fertile hills: New England to Virginia. ♃. May, June. *v. v.* Flowers yellowish-green; berries large, blueish-black; called by the Indians *Co-hosh*, and esteemed as a medicinal plant among them.

Berberis aquifolium

Berberis nervosa.

Drawn & Engraved by W. Hooker

283. BERBERIS. *Gen. pl.* 595.

1. B. erecta; ramis confertim punctatis, aculeis triplicibus, foliis simplicibus obovatis remote serratis, racemis brevibus subcorymbosis, drupis vix carnosis. *canadensis.*

B. vulgaris var. *Willd. sp. pl.* 2. *p.* 227. *Mich. fl. amer.* 1. *p.* 205.

On fertile hills, among rocks, &c. Canada to Virginia. ♄, April, May. *v. v.* Flowers yellow, in pendulous racemes; berries red, of an agreeable acid.

2. B. sarmentosa, inermis; foliis pinnatis: foliolis sub-3-jugis oblongis repando-dentatis venosis, petalis bidentatis. *Aquifolium.*

B. pinnata. *Herb. Banks.*

On the great rapids of Columbia River, among rocks, in rich vegetable soil. *M. Lewis.* ♄. April, May. *v. s. in Herb. Lewis.* Flowers yellow, in large clusters; berries dark purple, eatable; called by Lewis's company *Mountain-holly.*

Caulis fruticosus, laxe ramosus: ramis sarmentosis, procumbentibus. *Folia* sempervirentia alterna, petiolata, impari-pinnata. *Foliola* 3-juga, opposita, sessilia, impari-petiolata, oblongo-ovata, basi oblique truncata, margine cartilaginea repando-dentata, coriacea, utrinque glabra, lævigata, nitida: dentibus aculeatis. *Petioli* teretes, glabri. *Racemi* congesti, bracteati, e gemma precedentis anni. *Flores* aurei. *Bracteæ* caducæ, solitariæ, subcordatæ, acuminatæ, membranaceæ. *Calyx* triplex, deciduus, patens: exterior minimus, 3-phyllus: foliolis ovatis, acutis; medius triplo longior: foliolis suborbiculatis, membranaceis, nervosis; interior longior: foliolis ovalibus, membranaceis, nervosis. *Petala* 6. suberecta, oblonga, apice inciso-bidentata, vix longitudine calycis. *Filamenta* 6. corollæ breviora, crassa, medio bidentata: dentibus oppositis. *Antheræ* bilobæ, crassæ. *Germen* superum, ovatum. *Stigma* sessile, 3-lobum. *Bacca* 3-locularis, 3-sperma, abortione interdum monosperma.

3. B. sarmentosa, inermis; foliis pinnatis: foliolis 6-jugis, ovato-oblongis repando-serratis, sub-5-nervibus, petalis integris. *nervosa.*

In the same situations. *v. s. in Herb. Lewis.*

The specific difference excluded, the description of the preceding species is applicable in every other respect, and together with another in the collection of A. B.

Lambert, Esq., collected in Napaul by Mr. Buchanon, forms a new division of the genus, with pinnated leaves; which probably may become a new genus, whenever the fruit is perfectly known, as the statement I have given of it was taken from a single and imperfect berry.

284. PRINOS. *Gen. pl.* 594.

verticillatus. 1. P. foliis deciduis ovalibus serratis acuminatis subtus pubescentibus, fasciculis florum masc. axillaribus umbelluliformibus; femineis aggregatis utrinque 6-partitis.—*Willd. sp. pl.* 2. *p.* 225.
P. Gronovii. *Mich. fl. amer.* 2. *p.* 236.
P. padifolius. *Willd. enum.* 394.
Icon. *Duham. arb.* 1. *t.* 23.
In wet woods, on the banks of ditches; common: Canada to Virginia. ♄. June, July. *v. v.* Flowers small, white; berries red or crimson.

ambiguus. 2. P. foliis deciduis ovalibus utrinque acuminatis mucronato-serrulatis subtus pubescentibus, floribus 4-5-fidis, masculis ad imos ramulos congestis, fœmineis solitariis.—*Mich. fl. amer.* 2. *p.* 236.
Cassine caroliniana: *Walt. fl. car.* 242.
In sandy wet woods and on the borders of swamps: New Jersey to Carolina. ♄. July, Aug. *v. v.* Flowers white; berries red, larger than No. 1.

lævigatus. 3. P. foliis deciduis lanceolatis adpresso-serratis acuminatis utrinque glabris supra nitidis, subtus ad nervos vix pubescentibus, floribus fœmineis axillaribus solitariis subsessilibus; masculis sparsis: omnibus 6-fidis.
On the Allegany-mountains: New York to Virginia. ♄. July. *v. v.* Berries large, dark-red.

lanceolatus. 4. P. foliis deciduis lanceolatis tenuissime et remote serrulatis utrinque acutis utrinque glabris, floribus femineis sparsis subgeminis pedunculatis 6-fidis, masculis aggregatis 3-andris.
In the lower counties of Carolina and Georgia. ♄. June. *v. s.* Berries small, scarlet.

glaber. 5. P. foliis sempervirentibus cuneato-lanceolatis coriaceis glabris nitidis superne pariter subdentatis, pedicellis axillaribus subsolitariis plerumque 3-floris.—*Willd. pl.* 2 *p* 226.
indy shady woods; Canada to Florida. ♄. July,

Aug. *v. v.* A low and handsome shrub; berries black; called in Jersey *Ink-berries*.

6. P. foliis sempervirentibus cuneato-lanceolatis coriaceis glabris nitidis integerrimis, corymbis axillaribus brevissimis sessilibus multifloris, floribus 6-fidis. *coriaceus.*

α. P. foliis obovato-lanceolatis acuminatis. *latifolia.*

β. P. foliis lanceolatis acutis. *angustifolia.*

Sandy woods, near the banks of rivers: Georgia, to *Ensley*. ♄ June, July. *v. s.* A handsome tall shrub, of the appearance of *Ilex Dahoon*.

Prinos lucidus Ait. is *Ilex canadensis* Mich. according to specimens in the Herbarium of A. B. Lambert, Esq.

285. GLEDITSCHIA. *Gen. pl.* 1526.

1. G. spinis robustis cruciatim ramosis, foliolis linearioblongis, leguminibus longissimis compressis.—*Willd. sp. pl.* 4. *p.* 1097. *triacanthos.*

G. Meliloba. *Walt. fl. car.* 254.

Icon. *Duham. arb.* 1. *t.* 195. *Mich. arb. t.*

β. G. ramis subinermibus. *inermis.*

Near the sea-coast: Virginia and Carolina. ♄ July. *v. v.* A large tree; the pods contain a sweet pulp; known by the name *Honey-locust*.

2. G. spinis crassis brevibus subternatis, foliolis oblongis obtusis, leguminibus oblongis brevibus. *brachycarpa.*

G. triacanthos β. brachycarpos. *Mich. fl. amer.* 2. *p.* 257.

In the Allegany mountains; on the Indian river, Virginia. ♄ July. *v. v.* This species is certainly distinct from No. 1, having short curved spines, sometimes solitary, sometimes by threes, on the old branches.

3. G. ramis subspinosis, foliolis ovato-oblongis acutis, leguminibus ovalibus mucronatis submoniospermis.—*Willd. sp. pl.* 4. *p.* 1097. *monosperma.*

G. carolinensis. *Lam. encycl.* 2. *p.* 461.

G. aquatica. *Marsh. arb.* 95.

Icon. *Mich. arb.*

In the woods and on river banks: Carolina to Florida, and Illinois. ♄ July. *v. v. Swamp Locust-tree.*

286. PANCRATIUM. *Gen. pl.* 551.

1. P. spatha subbiflora, foliis lanceolatis, nectariis dentibus sex staminiferis, intermediis simplicibus. *Willd. sp. pl.* 2. *p.* 42. *mexicanum.*

Icon. *Dill. elth. t.* 222. *f.* 289.
On the sea-coast of Carolina and Georgia. ♃. July, Aug. *v. v.* Flowers white, as are all the following.

rotatum. 2. P. spatha multiflora, foliis lineari-lanceolatis, nectariis hypocrateriformibus, inferne tubulosis, dentibus sex staminiferis, intermediis inciso-dentatis, staminibus nectario duplo longioribus.—*Ker in bot. mag.*
On the sea-coast: Virginia to Florida. ♃. Jul. *v. v.* pu-

maritimum. 3. P. spatha multiflora, foliis lineari-lanceolatis, nectaridentibus duodecim, non staminiferis. *Willd. sp. pl.* 2. *p.* 42.
P. carolinianum. *Linn. sp. pl.* 418.
P. verecundum. *Ait. kew.* 1. *p.* 412.
Icon. *Catesb. car.* 2. *app.* 5. *t.* 5. *Salisb. in linn. trans.* 2. *t.* 9.
On the coast of Carolina and Georgia. ♃. July, Aug. *v. v.*

287. AMARYLLIS. *Gen. pl.* 554.

Atamasco. 1. A. spatha bifida acuta, flore pedicellato, corolla campanulata subæquali erecta, basi brevi tubulosa, staminibus declinatis æqualibus. *Willd. sp. pl.* 2. *p.* 51.
Icon. *Bot. mag.* 239. *L'Herit. sert. angl.* 10. *Catesb. car. app. t.* 12.
In shady woods and swamps: Virginia and Carolina. ♃. June, July. *v. v.* Flowers rose-coloured.

288. ALLIUM. *Gen. pl.* 557.

vineale. 1. A. caule terefifolio bulbifero, staminibus tricuspidatis. *Willd. sp. pl.* 2. *p.* 73.
Icon. *Lob. ic.* 156.
In old fields; common. ♃. June, July. *v. v.*

fragrans. 2. A. scapo nudo subtereti, foliis linearibus planis acutis subcarinatis, corollis turbinato-campanulatis, laciniis obovatis, staminibus linearibus acuminatis tubo adnatis.—*Vent. malmais.* 26. *Redouté lil.* 2. *t.* 68.
A. inodorum. *Bot. mag.* 1129.
A. mutabile. *Mich. fl. amer.* 1. *p.* 195?
On the mountains of Virginia and Carolina. ♃. June. *v. v.* Flowers white, with red veins.

striatum. 3. A. scapo nudo subtriquetro, foliis linearibus convoluto-concavis obtusiusculis dorso striatis, corollis patentibus,

laciniis oblongo-lanceolatis, staminibus alternis subulatis, alternis compressis.—*Bot. mag.* 1524. *Jacq. ic.* 2. *t.* 366. *Willd. sp. pl.* 2. *p.* 77.
A. ornithogaloides. *Walt. fl. car.* 121.
Ornithogalum bivalve. *Sp. pl. ed.* 1. *p.* 306.
In Virginia and Carolina. ♃. June, July. *v. s. in Herb. Walt.* Flowers large, white, with a red carina.

4. A. scapo nudo ancipiti, foliis linearibus canaliculatis subtus subangulatis, umbella fastigiata. *Willd. sp. pl.* 2. *p.* 76. *angulosum.*
Icon. *Gmel. sib* 1. *t.* 14. *f.* 2. *Jacq. austr.* 5. *t.* 425.
On the banks of the Missouri. *M. Lewis* and *Nuttall.* ♃. July. *v. s. in Herb. Lewis.* Flowers white.

5. A. scapo nudo tereti foliis breviore, foliis lanceolatis nervosis, umbella pauciflora. *triflorum.*
In shady woods, on the high mountains of Pensylvania. ♃. May, June. *v. v.* *Mountain Leeks.*

6. A. scapo nudo tereti, foliis linearibus, capitulo bulbifero. *Willd. sp. pl.* 2. *p.* 78. *canadense.*
In fields and woods: Canada to Carolina. ♃. June. *v. v.*

7. A. scapo nudo semitereti, foliis lanceolato-oblongis planis glabris, umbella globosa, seminibus solitariis. *Willd. sp. pl.* 2. *p.* 81. *tricoccon.*
In shady woods: Pensylvania to Virginia. ♃. July. *v. v.*

289. BRODIÆA. *Smith in linn. trans.* 10. *p.* 2.

1. B. umbella multiflora, floribus pedicellatis, staminibus alternis margine membranaceis.—*Smith l. c.* *grandiflora.*
Hookera coronaria. *Salisb. par. lond. t.* 98.
On the plains of the Columbia and Missouri rivers. *M. Lewis.* ♃. April, May. *v. v.* This elegant bulbous plant, which M. Lewis, Esq. used to call *Missouri Hyacinth*, is certainly hexandrous; Dr. Smith having been misled, by dried specimens, to consider it to be only triandrous.

290. PONTEDERIA. *Gen. pl.* 545.

1. P. foliis oblongo-cordatis obtusis, spica confertim-multiflora, corollæ laciniis oblongis.—*Willd. sp. pl.* 2. *p.* 23. *cordata.*

Icon. *Pluk. mant. t.* 349. *f. ult. Bot. mag.* 1156.
On the edges of rivers in the lower countries, from Canada to Florida. ♃. July. *v. v.* Flowers blue.

angustifolia. 2. P. foliis elongato-triangularibus sensim acutis basi truncato-subcordatis, corollæ laciniis lineari-lanceolatis.
In high mountain-lakes: New York to Carolina. ♃. July. *v. v.* Flowers blue, smaller than the first species.

291. HYPOXIS. *Gen. pl.* 505.

erecta. 1. H. pilosa; scapo 2–3-floro foliis lineari-lanceolatis brevioribus, corollæ laciniis lanceolato-oblongis.—*Willd. sp. pl.* 2. *p.* 106.
Icon. *Pluk. alm. t.* 315. *f.* 12. *Bot. mag.* 710.
In pastures and on grassy hills: Canada to Virginia. ♃. June, July. *v. v.* Flowers yellow: the root is reckoned one of the antidotes against the bite of the rattle-snake.

graminea. 2. H. pilosa; scapo 4-floro foliis longissimis gramineis brevioribus, corollæ laciniis lineari-lanceolatis.
H. caroliniensis. *Mich. fl. amer.* 1. *p.* 118.
In dry sandy fields and woods: New Jersey to Carolina. ♃. June, July. *v. v.* Leaves very narrow, and double the length of the scape.

juncea. 3. H. pilosa; scapo unifloro, foliis filiformibus canaliculatis.—*Smith spicil. t.* 16.
On pine-barrens of South Carolina. ♃. May—July. *v. v.*
H. sessilis Willd. sp. pl. 2. *p.* 110. figured by Dillenius *t.* 220. is only an accidental variety of *H.* [illegible] as I frequently have found this species at an early part of the season to flower very near to the ground.

292. CONOSTYLIS. *Brown fl. nov. hollan.* [illegible] *p.* 300.

americana. 1. C. corollis intus lanatis, scapis corymboso-paniculatis, foliis gramineo-ensiformibus glaucis, filamentis æqualibus.
Argolasia aurea. *Pursh catal.*
In boggy soil, on the pine-barrens of New Jersey and Carolina. ♃. July. *v. v.* Flowers golden-yellow.
Radix fibrosa, repens. *Folia* radicalia, scapo breviora, irideo-equitantia, angusto-ensiformia, acuta, glabra, lævigata, glaucescentia. *Scapus* erectus, teres, lanato-tomentosus, folio uno alterove brevi instructus.

Corymbus dense multiflorus, lanato-tomentosus. *Flores* extus albo-lanati, intus flavi. *Pedicelli* longitudine florum. *Corolla* 6-fida; laciniis oblongis acutis, 3. interioribus vix angustioribus, superne glabris fusco-luteis, inferne densissime lanatis: pilis plumosis aureis. *Filamenta* 6. filiformia, glabra, corollæ vix breviora. *Antheræ* ovatæ, erectæ, aurantiacæ. *Germen* superum, subrotundum, glabrum. *Stylus* subulatus, 3-partibilis, longitudine filamentorum. *Stigma* simplex.

This singular and beautiful perennial I discovered about the year 1805, and considered it as a species of *Argolasia* of Jussieu or *Lanaria* of Aiton, until I had the opportunity of seeing Mr. Brown's Prodromus, in which the genus *Conostylis* is the nearest of any genus I know, though it even differs from that genus materially by the germ being almost entirely superior, and not half inferior.

293. ALETRIS. *Gen. pl.* 579. *Mich. fl. amer.* 1. *p.* 189.

1. A. floribus pedicellatis oblongo-tubulosis, corollis fructiferis lævisculis farinosis, foliis lato-lanceolatis mucronatis.—*Mich. fl. amer.* 2. *p.* 189. *alba.*

A. farinosa. *Willd. sp. pl.* 2. *p.* 183.

Icon. *Pluk. amalth. t.* 437. *f.* 2. *Bot. mag.* 1418.

In dry gravelly woods, on the side of hills: New England to Carolina. ♃. June, July. *v. v.* Flowers white, in a long spike; known by the name of *Star-grass* or *Colic-root*; the last name, from its being considered an excellent remedy in that disease.

2. A. floribus subsessilibus breviter tubulatis subcampanulatis, corollis fructiferis rugosis scaberrimis, foliis lanceolato-ensiformibus acutis.—*Mich. fl. amer.* 1. *p.* 190. *aurea.*

Wurmbea bullata. *Willd. hort. berol. t.* 8.

In sandy fields and woods: New Jersey to South Carolina. ♃. July, Aug. *v. v.* Flowers covered with a mealy substance, as in the first species, but the divisions are tipped with golden-yellow; the leaves are narrower and longer. There is not any doubt of this plant properly belonging to *Hexandria Trigynia*; but the styles are glued together during flowering, and only divide on the ripening of the fruit.

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* *Flores incompleti.*

216. GLAUX. *Cal.* inferus, 1-phyllus, coloratus, 5-lobus. *Caps.* 1-locularis, 5-valvis, 5-sperma, calyce cincta.

217. ANYCHIA. *Cal.* inferus, connivens, 5-partitus: laciniis oblongis, apice subsaccatis. *Stigm.* 2. *Utriculus* 1-spermus.

218. THESIUM. *Cal.* superus, staminifer. *Sem.* 1. coronatum.

219. NYSSA. *Cal.* superus, 5-partitus. *Drupa. Mas. Stam.* 10. *Polygama.*

220. HAMILTONIA. *Cal.* superus, 5-fidus. *Nect.* discus 5-dentatus. *Drupa. Dioica.*

II. DIGYNIA.

* *Flores monopetali, inferi.*

221. FOTHERGILLA. *Folliculi* 2. longi, recti. *Sem.* papposa. *Cor.* infundibuliformis, fauce nuda. *Anther.* connivente in cavum.

222. GONOLOBUS. *Folliculi* 2. utplurimum costati seu angulati. *Sem.* papposa. *Cor.* rotata, profunde 5-partita. *Appendix* brevissima, inclusa. *Styl.* discoideo 5-gonus.

223. APOCYNUM. *Folliculi* 2. longi, lineares. *Sem.* papposa. *Cor.* campanulata. *Filamenta* 5. cum staminibus alterna. *Styl.* submullus. *Stigm.* latum.

224. ASCLEPIAS. *Folliculi* 2. *Sem.* papposa. *Cor.* rotata, plerumque reflexa. *Nectar* 5. ovata, concava, corniculum exserentia. *Anther.* corneæ, longitudinaliter dehiscentes.

225. AMMONIA. *Folliculi* 2. *Sem.* nuda, teretia, obliquo truncata. *Cor.* infundibuliformis fauce clausa.

226. GELSEMINUM. *Caps.* 2 locularis, 2-valvis, compresso-plana. *Sem* plana, valvularum marginibus annexa. *Cor.* infundibuliformis, limbo patente, subæquali *Cal.* 5-dentatus.

227. GENTIANA. *Caps.* 1-locularis, 2-valvis. *Receptaculis* 2 longitudinalibus. *Cor.* 1-petala, indeterminata.

228. HYDROLEA. *Caps.* 2-locularis, 2-valvis. *Cor.* rotata. *Filum.* basi cordata. *Stigm.* capitato-peltata. *Cal.* 5-phyllus.

229. DICHONDRA. *Caps.* subcompressa, didyma, 2-locularis: loculis 1-spermis. *Cor.* brevi-campanulata. *Stigm.* peltato-capitata. *Cal.* 5-partitus: laciniis subspathulatis.

230. EVOLVULUS. *Caps.* 1-locularis, 4-valvis, 1-sperma. *Cor.* rotato-campanulata. *Styli* 2. profunde 2-fidi: laciniis capillaribus, divergentibus. *Stigm.* simplicia.

* *Flores pentapetali, inferi.*

231. HEUCHERA. *Caps.* 2-locularis, 2-rostris. *Pet.* 5, calyci inserta.

232. ZIZYPHUS. *Drupa* nuce 2 loculari. *Discus* carnosus, orbicularis, pistillum ambiens. *Cal.* tubulosus, corollifer. *Dioicus.*

* *Flores pentapetali, superi dispermi.* Umbellatæ.

233. ERYNGIUM. *Flores* capitati. *Recep.* paleaceum. *Involl.* polyphyllum. *Cal.* propius 5-phyllus, superus.

234. HYDROCOTYLE. *Umbella* simplex. *Involl.* 4-phyllum. *Pet.* integra. *Sem.* semiorbiculato-compressa.

235. PANAX. *Umbella* simplex, *Bucca* cordata, 2-sperma. *Polygama.*

236. SANICULA. *Umbellæ* confertæ, subcapitatæ. *Fructus* aculeatus. *Flores* disci abortientes.

237. DAUCUS. *Corollæ* subæquales. *Flosculi* disci abortivi. *Fructus* pilis hispidus. *Umbella* fructus contracta, infundibuliformis. *Involucra* pinnatifida.

238. AMMI. *Corollæ* radiatæ: omnes hermaphroditæ. *Fructus* lævis. *Umbella* laxa. *Involucra* pinnatifida.

239. SELINUM. *Fructus* ovali-oblongus, compresso-planus, in medio utrinque striatus. *Involl.* reflexum. *Pet.* cordata, æqualia. *Cal.* integer.

240. FERULA. *Involl* universale caducum: partiale polyphyllum. *Fructus* ovalis, compresso-planus, striis utrinque 3.

241. HERACLEUM. *Fructus* ellipticus, emarginatus, compressus, striatus, margine tus. *Cor.* difformis, inflexo-emarginata. *Involl.* caducum.

242. LIGUSTICUM. *Fructus* oblongus, 5-sulcatus utrinque. *Corollæ* æquales. *Pet.* involuta, integra. *Cal.* 5-dentatus.

recurvifolia. 3. Y. caulescens; foliis lineari-lanceolatis v[illegible] vo-deflexis margine raro filamentosis, [illegible] ribus latioribus.—*Salisb. in parad. lond.* [illegible]
On the sandy shores of Georgia. *Leconte.* Aug. *v. v.* Flowers greenish-yellow, [illegible] of purple; stem about three feet high; has been confounded with the following.

gloriosa. 4. Y. caulescens, ramosa; foliis lato-lanceo[illegible] integerrimis, petalis lanceolatis.—*Will.* [illegible] *p.* 183.
Icon. *Bot. rep.* 473. *Bot. mag.* 1260.
On the sea-shore of Carolina. ♄. July. Flowers white; plant about ten feet hig[illegible].

aloifolia. 5. Y. caulescens, ramosa; foliis lineari-lance[illegible] crenulatis strictis.—*Willd. sp. pl.* 2. *p.* [illegible]
Icon. *Dill. elth.* 323. *f.* 416. *Comm. præl.* [illegible]
On the coast of Carolina and Florida. ♄. Flowers white.

299. LILIUM. *Gen. pl.* 558.

Catesbæi. 1. L. foliis sparsis lineari-lanceolatis, caule unifloro, corolla erecta, petalis longe unguiculatis margine undulatis apice reflexis. *Willd. sp. pl.* 2. *p.* 86. *Walt. fl. car.* 239.
L. spectabile. *Salisb. icon. rar.* 5. *t.* 5.
L. carolinianum. *Lam. encycl.* 3. *p.* 554.
Icon. *Catesb. car.* 2. *t.* 58. *Bot. mag.* 259.
In low sandy meadows: Virginia to Ca[illegible] June—Aug. *v. v.* Flower very handso[illegible] spotted with yellow and brown; stem [illegible] high.

pudicum. 2. L.? foliis sparsis lineari-lanceolatis, caule [illegible] rolla campanulata cernua, petalis erect[illegible] spathulato-obovatis obtusis intus planis.
On the head-waters of the Missouri. *M. Lewis.* May. *v. s. in Herb. Lewis.* Flower [illegible] stem about ten inches high.
This doubtful species is at first sight more related to *Fritillaria*; but the style, which is the length of the petals, with an obtuse stigma, associates it more closely to *Lilium*. The fruit I am unacquainted with; the root is a flat biscuit-shaped bulb.

Lilium pudicum

3. L. foliis sparsis lineari-lanceolatis: supremis 4. 5. verticillatis floremque subæquantibus, caule subunifloro subalato-pentagono, pedunculo lanato, corolla erecta turbinato-patente extus floccoso-lanata, laciniis infimis ovali-lanceolatis. *Ker in bot. mag.* 872. *pensylvanicum.*

Icon. *Catesb. car.* 3. *t.* 8.

On the mountains of Pensylvania and Virginia. ♃. July, Aug. *v. v.* Flower scarlet, yellow at the base with dark spots. Resembles *L. bulbiferum* very much.

4. L. foliis sparsis linearibus brevibus: supremis verticillatis pedunculis brevioribus, floribus 3—5. umbellatis erectis, petalis recurvo-patentibus subæqualibus ovato-oblongis subunguiculatis. *umbellatum.*

L. concolor. *Parad. lond.* 47?

On the banks of the Missouri. *M. Lewis* and *Nuttall.* ♃. July. *v. s.* By all appearance the plant found by the above gentlemen, among the Mandan nation on the Missouri, appears to be the same with the one figured in the Paradisus Londinensis; the flowers are of an uniform deep scarlet colour, and are highly ornamental.

5. L. foliis verticillatis lanceolato-linearibus, caule subbifloro, corolla erecta campanulata patente, petalis lanceolatis unguiculatis.—*Willd. sp. pl.* 2. *p.* 90. *philadelphicum.*

Icon. *Mill. ic. t.* 165. *f.* 1. *Bot. mag.* 519.

In woods and meadows: Canada to Virginia. ♃. July, Aug. *v. v.* Flowers large, scarlet, yellow near the bottom, with dark red spots; most generally it is found with only one flower, but sometimes even with three or more.

6. L. foliis remote verticillatis lanceolatis trinerviis, subtus ad nervos subhirsutis, pedunculis terminalibus elongatis plerumque ternis, corollis cernuis turbinato-campanulatis recurvo-patentibus, laciniis lanceolatis.—*Willd. sp. pl.* 2. *p.* 89. *canadense.*

Icon. *Catesb. car.* 3. *t.* 11.

α. *Bot. mag.* 800. flavum.

β. *Bot. mag.* 858. coccineum.

On mountain meadows: Canada to Virginia. ♃. July, Aug. *v. v.*

7. L. foliis plerumque verticillatis cuneato-lanceolatis seu obovalibus enervibus glaberrimis, ramis floriferis crassis *carolinianum.*

ternato-terminalibus, floribus reflexis, corollis revolutis.—*Mich. fl. amer.* 1. *p.* 197.
L. Martagon. *Walt. fl. car.* 123.
Icon. *Catesb. car.* 2. *t.* 56.
In fertile meadow grounds: Lower Virginia and Carolina. ♃. June, July. *v. v.* Resembles *L. Martagon* very much; flowers larger and maculated.

superbum. 8. L. foliis lineari-lanceolatis trinervibus glabris, inferioribus verticillatis intermediis duplo longioribus superioribus sparsis, floribus racemoso-pyramidatis reflexis, corollis revolutis.—*Willd. sp. pl.* 2. *p.* 88.
Icon. *Trew ehret.* 2. *t.* 11. *Bot. mag.* 936.
In low copses and swamps, on blue clay soil: Canada to Virginia. ♃. July, Aug. *v. v.* The most stately plant of this family in North America; the number and elegance of its flowers are astonishing. I have, in favourable situations, seen stems of about seven feet high, with from thirty to fifty flowers, disposed in a graceful manner in form of a chandelier.

300. FRITILLARIA. *Gen. pl.* 559.

lanceolata. 1. F. caule folioso 1—2-floro, foliis lineari-lanceolatis obtusiusculis: inferioribus verticillatis, petalis lanceolatis.
Lilium camschatcense. *Willd. sp. pl.* 2. *p.* 89.
On the head-waters of the Missouri and Columbia. *M. Lewis.* ♃. July. *v. s.* Flowers dark purple with brown spots.
In the tenth volume of the Linnean Transactions, A. B. Lambert, Esq. in his account of the Pallasian Herbarium, has given an excellent figure of this plant, and suspects it very justly to be a Fritillaria: when I examined the Lewisian Herbarium I had no idea of finding it under *Lilium*, and made a drawing and description under the above name, for the Travels of Lewis and Clark.

301. ERYTHRONIUM. *Gen. pl.* 562.

lanceolatum. 1. E. petalis lanceolatis basi dilatatis obtusiusculis, germine subgloboso, foliis lanceolatis.
E. Dens canis. *Mich. fl. amer.* 1. *p.* 198.
In woods, near the roots of old trees, and on the banks of rivulets: Canada to Virginia, and on the Missouri.

$\mathcal{U}$. May. *v. v.* Flowers yellow: there is a variety with brown spots at the bottom of the flower.

2. E. petalis lanceolatis subunguiculatis acutis, germine oblongo, foliis lineari-lanceolatis. *grandiflorum.*
On the Kooskoosky. *M. Lewis.* $\mathcal{U}$. May, June. *v. s.* Flowers double the size of the preceding, and of a pale yellow colour.

302. UVULARIA. *Gen. pl.* 560. *Mich. fl. amer.* 1. *p.* 198.

1. U. foliis perfoliatis ellipticis obtusis, corolla campanulata intus scabrata, antheris cuspidatis.—*Willd. sp. pl.* 2. *p.* 94. *Smith exot. bot.* 1. 95. *perfoliata.*
U. perfoliata minor. *Mich. fl. amer.* 1. *p.* 199.
Icon. *Smith l. c. t.* 49.
In shady woods, among rocks, in rich vegetable mould: Canada to Carolina. $\mathcal{U}$. May, June. *v. v.* Flowers pale yellow.

2. U. foliis perfoliatis elliptico-oblongis obtusis basi undulatis, corolla basi attenuata intus scabrata, antheris cuspidatis. *Smith exot. bot.* 1. *p.* 97. *t.* 50. *flava.*
Anonymos pudica. *Walt. fl. car.* 123.
Icon. *Bot. mag.* 955. *Smith l. c.*
In shady woods, in sandy soil: New Jersey to Lower Carolina. $\mathcal{U}$. May, June. *v. v.* Flowers larger than No. 1, of a deeper yellow.

3. U. foliis perfoliatis oblongis acutis, petalis intus lævibus, antheris obtusiusculis, nectariis subrotundis. *Smith exot. bot.* 1. *p.* 99. *t.* 51. *grandiflora.*
U. perfoliata major. *Mich. fl. amer.* 1. *p.* 199.
U. lanceolata. *Willd. sp. pl.* 2. *p.* 94.
Icon. *Corn. canad. t.* 39. *Smith l. c.*
On shady hills, in fertile soil, and among rocks: Canada to Carolina. $\mathcal{U}$. June. *v. v.* Flowers larger than the other species, of a beautiful yellow. The *U. lanceolata* of the Hortus Kewensis is the same with Dr. Smith's *U. grandifolia*, according to specimens in the Herbarium of A. B. Lambert, Esq.

4. U. caule glabro, foliis sessilibus lanceolato-ovalibus subtus glaucescentibus, corollæ laciniis planis intus lævibus, capsula stipitata.—*Willd. sp. pl.* 2. *p.* 95. *sessilifolia.*
Icon. *Smith exot. bot.* 1. *p.* 101. *t.* 52. *Bot. mag.* 1402.
In shady woods: Canada to Carolina. $\mathcal{U}$. May, June. *v. v.* Flowers pale yellow.

puberula. 5. U. caule puberulo, foliis subamplexicaulibus ovalibus basi rotundatis utrinque concoloribus, corollæ laciniis acutis intus lævibus, capsula sessili.—*Mich. fl. amer.* 1. *p.* 199.
On the mountains of Carolina. *Michaux.* ♃. +. Resembles the foregoing species; flowers larger.

303. STREPTOPUS. *Mich. fl. amer.* 1. *p.* 200.

distortus. 1. S. glaber; foliis amplexicaulibus, pedicellis solitariis medio distorto-geniculatis. *Mich. fl. amer.* 1. *p.* 200.
Uvularia amplexifolia. *Willd. sp. pl.* 2. *p.* 93.
Icon. *Pl. rar. hung.* t. 167.
In shady woods: Canada to Pensylvania on high mountains. ♃. May, June. *v. v.* Flowers greenish-yellow, the size of *Convallaria majalis.*

roseus. 2. S. glaber lucidus; foliis amplexicaulibus serrulato-ciliolatis, antheris brevibus bicornibus. *Mich. fl. amer.* 1. *p.* 201.
Icon. *Mich. l. c. t.* 18.
On the high mountains of Carolina, Pensylvania, and in Canada. ♃. May—July. *v. v.* Flowers rose-coloured.

lanuginosus. 3. S. subcandicanti-lanuginosus; foliis sessilibus basi subcordatis acuminatis, pedicellis in brevissimo stipite geminatis. *Mich. fl. amer.* 1. *p.* 201.
On the high mountains: Pensylvania to Carolina. ♃. June. *v. v.* Flowers large, yellowish-green; berries red.

304. CONVALLARIA. *Gen. pl.* 575. *Desfont. in annal. mus. hist. nat.* 9. *p.* 46.

majalis. 1. C. scapo nudo lævi, foliis ovatis. *Willd. sp. pl.* 2. *p.* 160.
Icon. *Fl. dan.* 854.
On the highest mountains of Virginia and Carolina. ♃. May. *v. v.* Flowers white, fragrant.

305. SMILACINA. *Desfont. in annal. mus. hist. nat.* 9. *p.* 51.

umbellata. 1. S. foliis radicalibus oblongo-ovalibus margine et carina ciliatis, scapo pubescente, umbella terminali, pedicellis bracteatis.—*Desfont. l. c.* 53.

Convallaria umbellata. *Mich. fl. amer.* 1. *p.* 202.
S. borealis. *Ker in bot. mag.*
Icon. *Desfont. l. c. t.* 8. *Bot. mag.* 1155.
On the Allegany mountains: Pensylvania to Carolina rare. ♃. May, June. *v. v.* Flowers white, fragrant.

2. S. subcaulescens; foliis elliptico-obovatis margine ciliatis, scapo pubescente, umbella corymbosa interdum prolifera, pedicellis nudis nutantibus.—*Bot. mag.* 1403. *borealis.*
Dracæna borealis. *Willd. sp. pl.* 2. *p.* 158.
Icon. *Ait. hew.* 1. *t.* 5. *Bot. mag.* 1403. *Bot. repos.* 206.
On the Allegany mountains, in bogs, and in Canada and New England. ♃. June, July. *v. v.* Flowers large, greenish-yellow: fruit beautiful amethystine blue.

3. S. caule bifolio, foliis cordato-oblongis subsessilibus utrinque glaberrimis, racemo simplici terminali, floribus tetrandris. *canadensis.*
Convallaria bifolia. *Mich. fl. amer.* 1. *p.* 201.
Majanthemum canadense. *Desfont. l. c. p.* 54.

β. S. foliis ovatis basi vix cordatis. ovalis.

γ. S. caule trifoliato, foliis lato-cordatis. trifolia.
Icon. *Pluk. alm. t.* 434. *f.* 4.
In shady woods, round the roots of old trees and in the bogs on high mountains. ♃. May. *v. v.* Flowers small, white.

4. S. caule alterne trifoliato pubescente, foliis oblongo-lanceolatis, racemo terminali laxo.—*Desfont. l. c. p.* 52. *trifolia.*
Convallaria trifolia. *Willd. sp. pl.* 2. *p.* 163.
Icon. *Gmel. fl. sibir.* 1. *t.* 6.
On the highest Allegany mountains, in deep sphagnous places: Pensylvania, New York, and in Canada. ♃. June, July. *v. v.* Flowers small, white.

5. S. caule alterne folioso, foliis amplexicaulibus lanceolatis seu ovali-lanceolatis, racemo simplici terminali.—*Desfont. l. c. p.* 52. *stellata.*
Convallaria stellata. *Willd. sp. pl.* 2. *p.* 163.
Icon. *Corn. canad. t.* 33. *Moris. hist.* 3. *s.* 15. *t.* 4. *f.* 7. *Bot. mag.* 1043.
In Canada, and along the tract of mountains on river banks as far south as Virginia. ♃. May, June. *v. v.* About a foot high; flowers in a close spike, white.

6. S. caule alterne folioso arcuato, foliis sessilibus ovatis ciliatis, panicula terminali conferta.—*Desfont. l. c. p.* 53. *ciliata.*
Icon. *Desfont. l. c. t.* 9.

In Virginia and Canada. *Desfontaines.* ♃. +. Flowers very small, white.

racemosa. 7. S. caule alterne folioso, foliis sessilibus oblongo-ovalibus acuminatis nervosis pubescentibus, floribus terminalibus racemoso-paniculatis.—*Desfont. l. c. p.* 51.
Icon. *Corn. canad. t.* 37. *Pluk. alm. t.* 311. *f.* 2. *Bot. mag.* 899.
In mountain woods: Canada to Carolina; common. ♃. June, July. *v. v.* Flowers small, yellowish.

306. POLYGONATUM. *Desfont. in mus. hist. nat.* 9. *p.* 48.

angustifolium. 1. P. caule tereti, foliis alternis sessilibus elliptico-lanceolatis sensim acutis subtrinervibus glabris, pedunculis axillaribus elongatis subbifloris.
Convallaria biflora. *Walt. fl. car.* 122.
In rocky situations: Pensylvania to Virginia. ♃. May, June. *v. v.* Flowers yellowish-white, with green tips, as most of this genus.

canaliculatum. 2. P. caule canaliculato, foliis alternis amplexicaulibus oblongis margine pubescentibus, pedunculis axillaribus bifloris.
Convallaria canaliculata. *Willd. hort. berol.* 45.
In shady woods: Pensylvania to Virginia. ♃. June. *v. v.*

pubescens. 3. P. caule teretiusculo sulco exarato, foliis alternis amplexicaulibus ovatis subtus pubescentibus, pedunculis axillaribus subbifloris.
Convallaria pubescens. *Willd. hort. berol.* 45. *cum icone.*
On rocks, near water: New England to Carolina. ♃. May, June. *v. v.*

hirtum. 4. P. caule angulato hispido, foliis alternis subamplexicaulibus ovatis obtuse acuminatis, pedunculis axillaribus trifloris.
Convallaria hirta. *Lam. encycl.* 4. *p.* 369.
In North America. *Bosc.* ♃. +.

multiflorum. 5. P. caule tereti, foliis alternis amplexicaulibus oblongo-ovalibus, pedunculis axillaribus multifloris.—*Desfont. l. c. p.* 50.
Convallaria multiflora. *Willd. sp. pl.* 2. *p.* 162.
Icon. *Fl. dan.* 152. *Abbot* 77. *Engl. bot.* 279.
In dry hilly woods: Canada to Carolina. ♃. June, July. *v. v.*

6. P. caule angulato, foliis sessilibus ovatis acuminatis, pedunculis uni- aut multifloris. *Desfont. l. c. p.* 50. *latifolium.*
Convallaria latifolia. *Willd. sp. pl.* 2. *p.* 162.
Icon. *Jacq. austr.* 3. *t.* 232.
On the sandy and gravelly banks of rivers, in shady wet situations: Pensylvania and Virginia. ♃. June, July. *v. v.* The tallest of all the species, sometimes four feet high.

307. ASPARAGUS. *Gen. pl.* 573.

1. A. caule herbaceo inermi suberecto tereti, foliis setaceis mollibus, stipulis subsolitariis. *Smith fl. brit.* 1. *p.* 369. *officinalis.*
Willd. sp. pl. 2. *p.* 150.
Icon. *Fl. dan.* 803. *Engl. bot.* 339.
Common *Asparagus* is frequently found in an apparently wild state, but has been introduced from Europe.

308. ORONTIUM. *Gen. pl.* 587.

1. O. foliis lanceolato-ovatis, scapo cylindrico spicato.— *Willd. sp. pl.* 2. *p.* 199.
Icon. *Amœn. acad.* 3. *t.* 1. *f.* 3.
In rivulets and low stagnant waters: Canada to Florida. ♃. April, May. *v. v.* Yellow flowers in a close cylindric spike, of a most singular smell. I observed a variety with almost linear leaves, in the Salt marshes near New York.

309. ACORUS. *Gen. pl.* 586.

1. A. scapo mucrone longissimo foliaceo. *Willd. sp. pl.* 2. *p.* 199. *Calamus.*
Icon. *Abbot* 77. *Engl. bot.* 356.
In overflowed places and old ditches; frequent: Canada to Carolina. Has the appearance of a flag, and called *Sweet-flag*, from the aromatic smell and taste of its roots.

310. JUNCUS. *Gen. pl.* 590.

* *Culmis nudis.*

1. J. culmo nudo tereti, panicula terminali, involucro diphyllo spinoso, capsulis subrotundis mucronatis. *Smith fl. brit.* 1. *p.* 374. *Willd. sp. pl.* 2. *p.* 204. *acutus.*
J. maritimus. *Lam. encycl.* 3. *p.* 253.

Icon. *Engl. bot.* 1614.
On the sandy sea-coast: New Jersey, &c. ♃. July. *v. v.*

conglomeratus. 2. J. culmo nudo stricto, panicula laterali conglobata, capsulis retusis, floribus triandris. *Smith fl. brit.* 1. *p.* 376. *Willd. sp. pl.* 2. *p.* 205.
Icon. *Host. gram.* 3. *t.* 82. *Leers fl. herb. t.* 13. *f.* 1.
In wet pastures, frequent. ♃. June, July. *v. v.*

effusus. 3. J. culmo nudo stricto, panicula laterali effusa supradecomposita, capsulis obtusis. *Smith fl. brit.* 1. *p.* 376. *Willd. sp. pl.* 2. *p.* 205.
Icon. *Host. gram.* 3. *t.* 83.
Frequent in low grounds, on road sides, &c. ♃. June, July. *v. v.*

filiformis. 4. J. culmo nudo filiformi nutante, panicula laterali bracteata subsimplici, capsulis subrotundis. *Smith fl. brit.* 1. *p.* 377. *Willd. sp. pl.* 2. *p.* 207.
Icon. *Host. gram.* 3. *t.* 84. *Pluk. phyt. t.* 40. *f.* 8.
In boggy mountain meadows; frequent. ♃. July, Aug. *v. v.*

bicornis. 5. J. culmo erecto nudo, foliis subsetaceis canaliculato-planis, involucro setaceo diphyllo erecto paniculam superante, floribus distinctis, calyce lineari-lanceolato acutissimo. —*Mich. fl. amer.* 1. *p.* 191.
J. tenuis. *Rostk. junc.* 21. *t.* 1. *f.* 3. *Moris. hist.* 3. *s.* 8. *t.* 9. *f.* 13.
In sandy wet fields, near ponds: Carolina and Georgia. ♃. July. *v. v.*

setaceus. 6. J. culmo nudo filiformi nutante, umbella laterali composita pauciflora, pedunculis multifloris, calyce subulato. *Rostk. junc.* 13. *t.* 1. *f.* 2.
In low grounds: Canada to Virginia. ♃. July. *v. v.*

marginatus. 7. J. foliis planis glabris, corymbo terminali simplici prolifero, capitulis sub-10-floris, calyce capsulam obtusam æquante. *Rostk. junc.* 30. *t.* 2. *f.* 3.
On dry shady hills: Pensylvania. ♃. June. *v. v.*

nodosus. 8. J. foliis nodoso-articulatis teretibus, corymbo simplici, capitulis globosis, capsulis acuminatis calyce longioribus. *Rostk. junc. t.* 2. *f.* 2.
J. scirpoides. *Lam. encycl.* 3. *p.* 267.
Icon. *Pluk. alm. t.* 417. *f.* 3.
In inundated fields and ditches: Canada to Virginia. ♃. July, Aug. *v. v.*

** *Culmis foliosis.*

9. J. culmo erecto oligophyllo, foliis nodoso-articulatis, capitulis globosis multifloris subpaniculatis, calycibus linearibus triandris.—*Mich. fl. amer.* 1. *p.* 192. *polycephalus.*
Icon. *Pluk. alm.* t. 92. *f.* 9.
α. J. major, foliis crassioribus compressis. crassifolius.
β. J. foliis subfiliformibus. tenuifolius.
In inundated places: Pensylvania to Carolina. ♃. June, July. *v. v.*

10. J. culmo erecto, foliis nodoso-articulatis teretibus, panicula supradecomposita, foliolis calycinis aristatis interioribus longioribus. *Willd. sp. pl.* 2. *p.* 211. *sylvaticus.*
J. acutiflorus. *Hoffm. germ.* 125.
Icon. *Host. gram.* 3. *t.* 86.
In inundated woods and on river sides: Pensylvania to Virginia. ♃. July. *v. v.*

11. J. culmo decumbente, foliis setaceis, floribus glomeratis verticillatis glomerulis foliosis. *Willd. sp. pl.* 2. *p.* 212. *verticillatus.*
J. uliginosus. *Roth fl. germ.* 1. *p.* 155.
J. fluitans. *Lam. encycl.* 3. *p.* 26.
Icon. *Fl. dan.* 817. *Host. gram.* 3. *t.* 88.
In rivulets and ponds: Canada, New York, &c. ♃. July, Aug. *v. v.*

12. J. culmo folioso erecto, foliis subnodoso-articulatis, panicula terminali composita, glomerulis subtrifloris pedunculatis sessilibusque, calycibus gracilibus acuminatis 3-andris. *Mich. fl. amer.* 1. *p.* 192. *acuminatus.*
In stagnant waters and on river banks: Pensylvania to Carolina. ♃. July, Aug. *v. v.* Resembles *J. articulatus* very much.

13. J. radice bulbosa, culmo folioso erecto compresso, foliis angustis subcanaliculatis, panicula composita, glomerulis 3-floris, calycibus 3-andris bracteisque aristatis. —*Mich. fl. amer.* 1. *p.* 192. *aristatus.*
In low grounds of Georgia and Carolina. ♃. July. *v. s.* Resembles the following species.

14. J. culmo subcompresso indiviso, foliis linearibus canaliculatis, corymbo terminali, calycibus obtusis capsula subrotunda obtusa brevioribus. *Willd. sp. pl.* 2. *p.* 213. *bulbosus.*
J. compressus. *Jacq. vind.* 235.
Icon. *Host. gram.* 3. *t.* 89. *Fl. dan.* 431.

On dry barren soil, on road sides; frequent. ♃. June, July. *v. v.*

tenuis. 15. J. culmo folioso simplici teretiusculo, foliis canaliculatis, corymbo terminali dichotomo bracteis breviore, capsula oblonga obtusa calyce breviore. *Rostk. junc.* 24. *t.* 1. *f.* 3. *Willd. sp. pl.* 2. *p.* 214?

In Georgia and Carolina. ♃. +.

bufonius. 16. J. culmo folioso dichotomo, foliis angulatis subsetaceis, floribus oblongis solitariis sessilibus.—*Willd. sp. pl.* 2. *p.* 214.

Icon. *Fl. dan.* 1098. *Host. gram.* 3. *t.* 90. *Engl. bot.* 802.

In overflowed fields, common. July, Aug. *v. v.*

campestris. 17. J. foliis planis pilosis, spicis pedunculatis ovatis subcernuis, intermedia sessili, calycinis foliolis mucronatis capsula obtusa longioribus. *Willd. sp. pl.* 2. *p.* 221.

Icon. *Engl. bot.* 672.

On dry sunny hills: Pensylvania to Carolina. ♃. April, May. *v. v.*

melanocarpus. 18. J. culmo folioso, foliis sublanceolatis glabris, panicula capillari laxa, floribus pedicellatis.—*Mich. fl. amer.* 1. *p.* 190.

Luzula melanocarpa. *Desvoux in journal de botanique* 1. *p.* 142. *t.* 5. *f.* 2.

In the western part of Canada. *Michaux.* +. Seeds black.

repens. 19. J. culmis repentibus foliosis, foliis planis angustis, capitulis paucis sessilibus pedunculatisque paucifloris, calycibus subulatis 3-andris.—*Mich. fl. amer.* 2. *p.* 191.

Cephaloxis flabellata. *Desvoux in journal de botanique* 1. *p.* 324. *t.* 11. *f.* 2.

On sandy hills in Carolina and Georgia. ♃. June. *v. s.*

311. PEPLIS. *Gen. pl.* 605.

americana. 1. P. floribus axillaribus solitariis, foliis crassis spathulato-obovatis, floribus apetalis.

Inundated during its flowering time, in slow-flowing places of rivers, in Pensylvania; the flowers so diminutive that to examine them it requires a strong microscope.

II. *DIGYNIA.*

312. NECTRIS. *Gen. pl.* 610.

1. N. foliis demersis oppositis capillaceo-multifidis: emersis alternis orbiculatis peltatis integerrimis. *peltata.*
N. aquatica. *Willd. sp. pl.* 2. *p.* 248.
Cabomba aquatica. *Aubl. gui.* 1. *p.* 321. *t.* 124.
In the streams of Carolina and Georgia. ♃. July, Aug. *v. s.*

2. N. foliis omnibus alternis demersis ternatis; emersis quinato-pinnatis. *pinnata.*
Floerkea proserpinacoides. *Muhlh. mss.*
In ditches and slow-flowing rivers: Pensylvania and Virginia. ♃. Aug. *v. v.* Flowers greenish-yellow in both species, on long axillary solitary petioles. The character of the last species deviates a little from Aublet's; but as I never had an opportunity of seeing his plant in a living state, I consider the difference so trifling that they will be better to remain united.

III. *TRIGYNIA.*

313. SABAL. *Adanson. Pers. syn.* 1. *p.* 399.

1. Sabal. *Pers. l. c.* *Adansoni.*
Raphis acaulis. *Willd. sp. pl.* 4. *p.* 1093.
Chamæ-ops acaulis. *Mich. fl. amer.* 1. *p.* 207.
Corypha minor. *Jacq. vind.* 3. *t.* 8.
Corypha pumila. *Walt. fl. car.* 119.
Icon. *Bot. mag.* 1434. *Guersent. obs. in bullet. de la soc. philomat.* no. 87.
Along the sea-coast of Carolina and Georgia. ♄. Aug. *v. v.* A species of palm of but little beauty or use.

314. CHAMÆROPS. *Gen. pl.* 1088.

1. C. caudice repente, stipitibus aculeato-serrulatis, frondibus palmatis.—*Willd. sp. pl.* 4. *p.* 1155. *Mich. fl. amer.* 1. *p.* 206. *serrulata.*
On the coast of Georgia and Florida. ♄. *v. v. s. fl.*

Hustris. 2. C. caudice repente, stipitibus aculeis longissimis intermixtis, frondibus palmatis.

Near the town of Savannah, Georgia. ♄. *v. v. s. fl.* This singular palm grows in company with others, and distinguishes itself by its long aculei resembling porcupine quills, and often growing to the length of more than fifteen inches.

Palmetto. 3. C. caudice arboreo, stipitibus inermibus, spathis duplicatis, frondibus palmatis. *Willd. sp. pl.* 4. *p.* 1105.

Corypha Palmetto. *Walt. fl. car.* 119.

On the sea-coast of Carolina and Florida. ♄. *v. v. s. fl.* A fine and useful plant; the wood used for forming almost everlasting piles for building wharfs, and the leaves can be manufactured into light and very durable hats.

315. NOLINA. *Mich. fl. amer.* 1. *p.* 207.

georgiana. 1. N. foliis angustissimis longis aride-gramineis, scapo laxo-ramoso foliis subulatis sparsim vestito, floribus racemosis, pedicellis aggregatis.—*Mich. fl. amer.* 1. *p.* 208.

Phalangium virgatum. *Lam. encycl.* 5. *p.* 246.

In barren sandy woods: Georgia. *Michaux* and *Fraser.* ♃. July. *v. s. in Herb. Ensten.* Root a tunicated bulb; stem two feet and more high; flowers white and small.

316. CALOCHORTUS. *Pursh in linn. trans. v.* 11. *p.* ...

elegans. 1. C. scapo subtrifloro folio unico breviore, petalis interioribus lanatis.

On the head-waters of the Kooskoosky. *M. Lewis.* ♃. May. *v. s. in Herb. Lewis.* Flowers very elegant, white; the three inside petals are covered with a long down, and have a purple smooth spot on their base. The roots are eaten by the natives.

Bulbus solidus, subglobosus. *Folium* unicum, radicale, longe-gramineum, glabriusculum, plicato-nervosum, scapo longiore. *Scapus* simplex, teres, glaber, bi-aut triflorus. *Bracteæ* tot quod pedicelli, lineari-lanceolatæ. *Pedicelli* filiformes, bracteis vix longiores. *Flores* nutantes, magnitudine *Hypoxidis erecti.*

317. MELANTHIUM. *Gen. pl.* 618.

virginicum. 1. M. elatum; panicula pyramidata, petalis ovalibus subhastatis planis bimaculatis, floribus plerumque her-

maphroditis.—*Willd. sp. pl.* 2. *p.* 266. *Lam. encycl.* 4. *p.* 25.
Helonias virginica. *Bot. mag.* 985.
In low grounds, among luxuriant herbage: New York to Carolina. ♃. June, July. *v. v.* Flowers greenish-white at first, and turn to a dark brown after flowering for some time.

2. M. panicula inferne masculà, superne femineâ racemosa, petalis oblongis planis brevi-unguiculatis bimaculatis, stylis germine duplo brevioribus.—*Walt. fl. car.* 125. *monoicum.*
M. polygamum. *Lam. encycl.* 4. *p.* 25.
On the mountains of Virginia and Carolina. ♃. July. *v. v.* Flowers smaller, and not so apt to change colour.

3. M. panicula superne racemosa femineâ, petalis subrotundis unguiculatis plicato-undulatis vix maculatis, extus hirsutis.—*Walt. fl. car.* 125. *hybridum.*
M. latifolium. *Lam. encycl.* 4. *p.* 25.
M. racemosum. *Mich. fl. amer.* 1. *p.* 251.
On the side of hills, in moist fertile soil: Virginia and Carolina. ♃. June, July. *v. v.* Flowers small, pale white, and do not change.

318. ZIGADENUS. *Mich. fl. amer.* 1. *p.* 213.

1. Z. scapo folioso, bracteis ovatis acuminatis, petalis acuminatis. *glaberrimus.*
Icon. *Mich. fl. amer.* 1. *p.* 214. *t.* 22.
In low meadows: Virginia and Lower Carolina. ♃. June, July. *v. v.* Flowers white, the size of *Veratrum album*; leaves long, recurved and channelled.

2. Z. scapo subnudo, bracteis linearibus, petalis acutis. *elegans.*
On the waters of Cokahlaishkit river, near the Rocky-mountains. *M. Lewis.* ♃. July. *v. s. in Herb. Lewis.* Flowers white.
Folia radicalia, erecta, longissime-linearia, glabra, lineato-nervosa, plana, scapo breviora. *Scapus* teres, simplex, unc alterove folio brevi instructus, subbipedalis. *Racemus* multiflorus, interdum basi ramosus. *Bracteæ* lineares, nervosæ, membranaceæ, longitudine pedicellorum. *Flores* albidi, magnitudine *Melanthi virginici*. *Petala* ovata, acuta, subunguiculata, basi glandulis 2. cinnabarinis notata. *Filamenta* corolla breviora. *Stigmata* 3. reflexa.

319. VERATRUM. *Gen. pl.* 5

viride. 1. V. racemis paniculatis, bracteis ramor[illegible] ceolatis, partialibus pedunculo subp[illegible] ribus, foliis lato-ovatis plicatis.—*Willd.*
V. album. *Mich. fl. amer.* 2. *p.* 249.
In swamps and on mountain bogs: Ca[illegible]
4. July. *v. v.* A stately plant, fr[illegible] feet high; flowers greenish-yellow.

parviflorum. 2. V. racemis paniculatis, ramis filiformib[illegible] dicellatis stellatis, petalis ovali-lanceolatis utrinque acutis ungue staminiferis, foliis ovalibus lanceolatisve planis glabris.—*Mich. fl. amer.* 2. *p.* 250.
Melanthium bracteolare. *Lam. encycl.* 4. *p.* 25.
On high mountains of Carolina. 4. July. *v. v. et v. s. in Herb. Lyon.* Flowers small, green.

angustifolium. 3. V. altum, dioicum; panicula simplici, petalis linearibus, foliis longissimis linearibus carinatis.
On high mountains of Virginia and Carolina. 4. June. *v. v.* Flowers greenish-yellow.

320. HELONIAS. *Gen. pl.* 622. *Mich. fl. amer.* 1. *p.* 211.

latifolia. 1. H. scapo subaphyllo, spica ovata conferta, bracteis lineari-lanceolatis, foliis lanceolatis mucronatis nervosis.—*Mich. fl. amer.* 1. *p.* 212.
H. bullata. *Willd. sp. pl.* 2. *p.* 273.
Icon. *Bot. mag.* 747. *Bot. rep.* 352. *Pluk. alm. t.* 174. *f.* 5.
In shady swamps on sandy soil: New Jersey to Virginia. 4. May. *v. v.* Flowers purple; anthers blue.

erythrosperma. 2. H. scapo folioso, racemo oblongo, bracteis brevibus oblongis, foliis glabris lanceolato-linearibus, seminibus ovatis legumine carnoso rubentibus.—*Mich. fl. amer.* 1. *p.* 212.
H. læta. *Bot. mag.* 803.
Melanthium lætum. *Willd. sp. pl.* 2. *p.* 267.
Melanthium phalangioides. *Lam. encycl.* 4. *p.* 28.
Melanthium Muscætoxicum. *Walt. fl. car.* 125.
Anthericum subtrigynum. *Jacq. ic. rar.* 2. *t.* 419.
In shady moist situations on river banks, and on high mountains: Pensylvania to Carolina. 4. June, July. *v. v.* Root a kind of bulb; flowers first white, then changing to green; anthers white: seeds covered with a red substance.

angustifolia. 3. H. scapo inferne folioso, racemo oblongo laxo, bracteis brevibus, foliis longissimis angustissimisque, capsulis

Helonias tenax.

oblongis; seminibus angusto-linearibus.—*Mich. fl. amer.* 1. *p.* 212.

In shady wet woods of Carolina and Georgia. ♃. July. *v. s.*

4. H. scapo folioso, racemo oblongo conferto, bracteis setaceis, filamentis basi latioribus corollam æquantibus, foliis subulato-setaceis.—*Willd. sp. pl.* 2. *p.* 275. *asphodeloides.*

Icon. *Bot. mag.* 748. *Pluk. mant. t.* 342. *f.* 3.

On the sandy plains of New Jersey and Carolina. ♃, May, June. *v. v.* Flowers white, small; root a kind of bulb: the leaves form large tufts resembling those of some *Carices*.

5. H. scapo folioso, racemo specioso laxo, bracteis membranaceis, petalis ellipticis, filamentis filiformibus corollam superantibus, foliis subulato-setaceis longissimis. *tenax.*

On high lands near the Rocky-mountains. *M. Lewis.* ♃. June. *v. s.* Flowers white; anthers yellow. It approaches near to the foregoing species, but its flowers are three times larger, and probably an essential distinction may lie in the seed-vessel, which I have not seen. This plant is very useful to the natives: out of its very tenacious leaves they weave thier water-tight baskets, which they use for cooking their victuals in.

6. H. scapo folioso, racemo spicato nutante, pedicellis brevissimis subebracteatis, filamentis corolla longioribus, petalis linearibus, foliis oblongo-lanceolatis. *dioica.*

H. lutea. *Bot. mag.* 1062.

H. pumila. *Jacq. ic. rar.* 2. *t.* 453.

Veratrum luteum. *Willd. sp. pl.* 4. *p.* 897.

Melanthium dioicum. *Walt. fl. car.* 126.

Melanthium densum. *Lam. encycl.* 4. *p.* 26.

In dry shady and hilly situations: Pensylvania to Georgia. ♃. July. *v. v.* Root bulbous, known by the name of *Star-wort*, and considered a remedy in colic. Flower white, male and female on different plants, which is a singularity in this family of plants.

Jacquin's *H. pumila* is without doubt an unexpanded spike of a male of this species: the appearance of a germen inferum is occasioned by the male flower being divested of its petals; and no female fructification appearing, the small pedicel was considered to be the rudiments of a germen.

dubia. 7. H.? scapo nudo, spica gracili, floribus sessilibus, foliis longissimis angustissimisque. — *Mich. fl. amer.* 1. *p.* 213.

On the sandy fields of Georgia and Florida. *Michaux.* ♃. +. Scape nearly three feet high; flowers small.

321. MEDEOLA. *Gen. pl.* 619.

virginica. 1. M. foliis in medio caule verticillatis, summitate ternis, ovali-lanceolatis, pedicellis aggregatis terminalibus. — *Willd. sp. pl.* 2. *p.* 270.

Icon. *Bot. mag.* 1316. *Pluk. alm. t.* 328. *f.* 4.

In fertile shady woods, near rivulets: Canada to Georgia. ♃. April, May. *v. v.* Flowers yellowish-green; anthers brown. This plant is known by the name *Indian Cucumber*: the roots have a strong resemblance in taste and flavour to cucumbers, and are eaten by the natives.

322. TRILLIUM. *Gen. pl.* 620.

sessile. 1. T. flore sessili erecto, petalis lanceolatis erectis calyce duplo longioribus, foliis sessilibus lato-ovalibus acutis. — *Willd. sp. pl.* 2. *p.* 272.

Icon. *Bot. mag.* 40. *Catesb. car.* 1. *t.* 50. *Pluk. alm. t.* 111. *f.* 6.

On the side of fertile hills, in shady and rocky grounds: Pensylvania, to Carolina. ♃. April, May. *v. v.* Flower dark chocolate brown; berry purple. I have seen a specimen with yellow flowers, brought from the Cherokee nation, which probably may be a distinct species.

petiolatum. 2. T. flore sessili erecto, petalis lineari-lanceolatis erectis calyce paulo longioribus, foliis longissime petiolatis ovali-lanceolatis acutis.

On the waters of the Kooskoosky. *M. Lewis.* ♃. June. *v. s.* This singular species, whose flowers resemble those of the first species, has leaves very much like *Plantago major*.

pictum. 3. T. pedunculo erectiusculo, petalis ovali-lanceolatis acutis recurvatis calyce angusto subduplo longioribus, foliis ovatis acuminatis basi rotundatis abrupte petiolatis.

T. erythrocarpum. *Mich. fl. amer.* 1. *p.* 216.

T. undulatum. *Willd. hort. ber.* 1. *p.* 55.

In sphagnous bogs, on the high mountains of Pensylva-

nia, Carolina, and Canada. ♃. May, June. *v. v.* Flowers white, with purple veins at the bottom; berry scarlet.

4. T. pedunculo erecto, petalis oblongis acutis patentibus calyce lineari paulo longioribus, foliis ovatis sensim acutis arcte sessilibus. *ovatum.*
On the rapids of Columbia river. *M. Lewis.* ♃. April. *v. s.* Flowers pale purple.

5. T. pedunculo erecto, petalis calyce vix longioribus, foliis ovali-oblongis obtusis sessilibus.—*Mich. fl. amer.* 1. *p.* 215. *pumilum.*
In the pine-woods of Lower Carolina. *Michaux.* ♃. May. *v. s.* Flowers deep flesh-colour.

6. T. pedunculo recurvato, petalis lanceolatis acuminatis planis reflexis longitudine et latitudine calycis, foliis dilatato-rhomboideis abrupte acuminatis brevissime petiolatis.—*Willd. sp. pl.* 2. *p.* 271. *cernuum.*
Icon. *Bot. mag.* 954. *Smith spicil.* 4.
In shady rocky situations: Pensylvania to Carolina; particularly on the banks of Schuylkill near Philadelphia. ♃. May. *v. v.* Petals white; berries purple. This may be called the largest of the genus, as I have often seen it near two feet high, with leaves measuring nine inches in diameter. Catesby's figure of this species is, according to Dr. Smith's observation, so erroneously represented that it would only create confusion to quote it here.

7. T. pedunculo inclinato, flore nutante, petalis ovatis acuminatis planis patentibus calyce vix longioribus multo latioribus, foliis lato-rhomboideis acuminatis sessilibus.—*Willd. sp. pl.* 2. *p.* 271. *erectum.*
α. T. flore majore, petalis atropurpureis. atropurpureum.
T. rhomboideum γ. *Mich. fl. amer.* 1. *p.* 215.
T. fœtidum. *Parad. lond.* 35.
Icon. *Bot. mag.* 470.
β. T. flore minore, petalis albis, germine rubro. album.
T. erectum β. *Bot. mag.* 1027.
On the mountains, in boggy soil: Pensylvania to Carolina. ♃. May. *v. v.* Flowers either dark purple or white, changing to red with a red germ; berries almost black.

8. T. pedunculo erecto, petalis obovatis obtusiusculis planis patentibus calyce vix longioribus et latioribus, foliis ovato-rhombeis acuminatis arcte sessilibus. *obovatum.*

T. camtschaticum. *Pallas in herb. Lambert.*
In Canada near Montreal. ♃. *v. s.* Flowers dark rose-coloured, probably white when first opening. The specimens in the herbarium of A. B. Lambert, Esq. agree in every respect with those from Canada.

pendulum. 9. T. pedunculo inclinato, flore pendulo, petalis ovatis brevi-acuminatis patulis patentibus calycem ovatum acuminatum subæquantibus, foliis subrotundo-rhomboideis acuminatis subsessilibus.—*Willd. hort. berol.* 1. *t.* 35.
On the mountains of Pensylvania. ♃. April, May. *v. v.* Petals of a dirty white, with netted veins.

grandiflorum. 10. T. pedunculo inclinato, flore subcernuo petalis spathulato-lanceolatis basi erectis, limbo patentibus calyce multo majoribus, foliis late rhombeo-ovatis.—*Parad. lond. t.* 1. *Bot. mag.* 835.
T. rhomboideum γ. grandiflorum. *Mich. fl. amer.* 1. *p.* 216.
On the mountains and rocky banks of rivers: Virginia and Carolina. ♃. May. *v. v.* Flowers large, white; berries dark purple. The roots of the whole genus are considered as possessing strong medicinal powers.

323. TOFIELDIA. *Huds. fl. angl.* 157.

Narthecium. *Juss. Mich. fl. amer.* 1. *p.* 209.

pusilla. 1. T. tota glabra, foliis brevissimis, scapo filiformi, spica pauciflora conglobata, calyculo rachi adnato, capsula globosa.—*Mich. fl. amer.* 1. *p.* 209.
In bogs on the mountains, near lakes, and particularly Lake Mistassins.—♃. June, July. *v. v.* Flowers greenish-white.

pubescens. 2. T. scapo, rachi pedicellisque pubescenti-asperis, spica oblonga interrupta, capsula subglobosa vix calycem superante.—*Mich. fl. amer.* 1. *p.* 209.
Melanthium racemosum. *Walt. fl. car.* 126.
Anthericum calyculatum. *Gronov. nec Linn.*
In swamps and sphagnous woods: Virginia and Carolina. ♃. July. *v. v.* Flowers white; anthers yellow.

glutinosa. 3. T. scapo pedicellisque glutinoso-scabro, spica fasciculis paucis alternantibus, capsula ovoidea calyce duplo longiore.—*Mich. fl. amer.* 1. *p.* 210.
From Quebec to Lake Mistassins. *Michaux.* ♃. +.
It has the appearance of *Anthericum Ossifragum*, according to Michaux's observation; and as I have never

seen any other plant approaching to it than *Narthecium americanum*, *p.* 227. I was induced to take them as synonymous; but after investigation,—vid. *Bot. mag.* 1505,—a specimen in the Banksian Herbarium seems to apply better to Michaux's plant, if his short definition of the species is sufficient to decide on the subject.

324. TRIGLOCHIN. *Gen. pl.* 616.

1. T. floribus 6-andris, capsulis brevibus ovatis sulcatis 6-locularibus.—*Willd. sp. pl.* 2. *p.* 205. *maritimum.*
Icon. *Fl. dan.* 306. *Engl. bot.* 255.
On the inundated sea-coast of Canada and New England. ♃. July. *v. v.* A plant of a rush-like appearance; flowers very small.

2. T. floribus 3-andris, capsulis linearibus basi attenuatis lævibus 3-locularibus.—*Willd. sp. pl.* 2. *p.* 264. *palustre.*
Icon. *Fl. dan.* 490. *Engl. bot.* 366.
In marshes round the Salt-lake of Onondago, New York. ♃. July. *v. v.*

3. T. floribus 3-andris 3-fidis breviter pedicellatis, capsulis trigono-subrotundis, foliis subsetaceis scapum spicamve subæquantibus. *Mich. fl. amer.* 1. *p.* 208. *triandrum.*
In overflowed marshes, near Charlestown, Carolina. *Michaux.* ♃. +

325. SCHEUCHZERIA. *Gen. pl.* 615.

1. Scheuchzeria. *Willd. sp. pl.* 2. *p.* 263. *palustris.*
Icon. *Fl. dan.* 76.
In swamps and on the borders of lakes, New York near Albany. ♃. June. *v. v.* Flowers greenish-yellow.

326. RUMEX. *Gen. pl.* 613.

1. R. hermaphroditus; valvulis integerrimis oblongis, unica præcipue granifera, foliis cordato-lanceolatis. — *Willd. sp. pl.* 2. *p.* 250. *sanguineus.*
Icon. *Engl. bot.* 1533.
In shady woods and moist meadows. Pensylvania to Virginia. ♃. June, July. *v. v.* Leaves with red veins; flowers, as in all the rest, very inconspicuous.

2. R. hermaphroditus; valvulis ovatis integris, omnibus graniferis, foliis lanceolatis undulatis acutis.—*Willd. sp. pl.* 2. *p.* 251. *crispus.*

Icon. *Curt. lond.* 2. *t.* 20.
In dry fields and pastures, common. ♃. July. *v. v.*

verticillatus. 3. R. hermaphroditus; valvulis integerrimis, omnibus graniferis, spicis aphyllis, foliis lanceolatis, vaginis cylindricis.—*Willd. sp. pl* 2. *p.* 250.
In rivulets and shady woods: Canada to Virginia. ♃. July. *v. v.*

britannicus. 4. R. hermaphroditus; valvulis integerrimis, omnibus graniferis, paniculæ spicis aphyllis, vaginis obsolete laceris, foliis lato-lanceolatis planis lævibus.—*Willd. sp. pl.* 2. *p.* 250.
Near rivulets: Virginia and Carolina. ♃. June, July. *v. v.*

persicarioides. 5. R. hermaphroditus; valvulis dentatis, omnibus graniferis, foliis lanceolatis undatis integris.—*Willd. sp. pl.* 2. *p.* 252.
In shady wet woods, on the banks of ditches: Virginia and Carolina. ☉. July. *v. v.*

crispatulus. 6. R. hermaphroditus; valvulis obtuse cordatis utrinque cristatis tridentatis, una nuda, binis inæqualiter graniferis, spicis aphyllis, foliis inferioribus ovalibus, superioribus lanceolatis, omnibus undulatis.—*Mich. fl. amer.* 1. *p.* 217.
In Kentucky. *Michaux.* +. Affinis *R. persicarioideo.*

obtusifolius. 7. R. hermaphroditus; valvulis dentatis, unica præcipue granifera, foliis radicalibus cordatis obtusis, caule scabriusculo.—*Willd. sp. pl.* 2. *p.* 254.
Icon. *Engl. bot.* 1099.
In old pastures and gardens, as a common weed; probably introduced. ♃. June, July. *v. v. Common Dock.*

aquaticus. 8. R. hermaphroditus; valvulis ovatis integris obsolete graniferis, foliis cordato-lanceolatis acutis.—*Willd. sp. pl.* 2. *p.* 255.
Icon *Engl. bot.* 2104.
In small ponds and ditches: Pensylvania to Virginia; rare. ♃. July, Aug. *v. v.*

digynus. 9. R. hermaphroditus, digynus; valvulis ovatis integris grano destitutis, foliis radicalibus reniformibus longius petiolatis. *Willd. sp. pl.* 2. *p.* 258.
Icon. *Fl. dan.* 14. *Pluk. alm. t.* 252. *f.* 2.
In Labrador. *Colmaster.* ♃. June, July. *v. s. in Herb. Dickson.*

10. R. dioica; foliis lanceolato-hastatis, valvulis grano destitutis.—*Willd. sp. pl.* 2. *p.* 260. *Acetosella.*
Icon. *Engl. bot.* 1574.
Common in all dry fields and gravelly hills. ♃. June —Aug. *v. v.*

327. SMILAX. *Gen. pl.* 1528.

* *Caule fruticoso; ramis angulatis.*

1. S. subinermis; foliis lanceolatis acuminatis basi auriculato hastatis margine ciliato-aculeatis 3—5-nervibus, baccis globosis.—*Willd. sp. pl.* 4. *p.* 782. *hastata.*
S. Bona nox. *Mich. fl. amer.* 2. *p.* 237. *Walt. fl. car.* 245.
S. aspera δ. *Lam. encycl.* 6. *p.* 465.
Icon. *Pluk. alm. t.* 111. *f.* 3.
β. S. foliis longis angustis lanceolatis. *Walt. fl. car.* 245. lanceolata.
On the sea-coast of Carolina and Florida. ♄. June, July. *v. v.*

2. S. inermis; foliis cordato-ovatis acutis ciliato-aculeatis 7-nervibus. *Willd. sp. pl.* 4. *p.* 781. *Bona nox.*
S. variegata. *Walt. fl. car.* 244.
Icon. *Pluk. alm. t.* 111. *f.* 1.
In woods of Carolina and Georgia. ♄. July. *v. v.*

3. S. aculeata; caule tetragono superne inermi, foliis inermibus ovatis subcordatis acutis 5-nervibus.—*Willd. sp. pl.* 4. *p.* 775. *quadrangularis.*
In dry woods, on the edges of ponds: Pensylvaniato Carolina. ♄. June, July. *v. v.* Berries black.

4. S. aculeata; foliis cordato-ovatis lævibus 3-nervibus, baccis acuminatis. *Walteri.*
S. China? *Walt. fl. car.* 245.
In the lower sandy countries of Virginia and Carolina, on river sides. ♄. July. *v. v.* Berries red.

5. S. aculeata; foliis inermibus ovato-lanceolatis cuspidatis sub-5-nervibus subtus glaucescentibus, pedunculo communi petiolo longiore.—*Willd. sp. pl.* 4. *p.* 776. *Sarsaparilla.*
S. glauca. *Mich. fl. amer.* 2. *p.* 237. *Walt. fl. car.* 245.
In hedges and swamps, common. ♄. June, July. *v. v.*

6. S. subinermis; foliis inermibus ovatis acutis cuspidatis 3-nervibus concoloribus, pedunculo communi petiolo breviore. *ovata.*
Near Savannah in Georgia. *Enslen.* ♄. July. *v. s.*
Leaves very shining on both sides; berries black.

alba. 7. S. subinermis; caule obsolete angulato, foliis elongato-lanceolatis coriaceis glabris integerrimis 3-nervibus, umbelliis paucifloris brevissime pedunculatis.
In sandy grounds, on the edge of rivulets; Carolina. *Walter.* ♄. June. *v. s. in Herb. Walter.* Berries white.

** *Caule fruticoso; ramis teretibus.*

lanceolata. 8. S. inermis; foliis inermibus lanceolatis, umbellis multifloris longe pedunculatis.—*Willd. sp. pl.* 4. *p.* 783.
Icon. *Catesb. car.* 2. *t.* 84.
Near the sea-coast of Virginia and Carolina. ♄. May, June. *v. v.* Berries red.

pubera. 9. S. inermis; foliis oblongis acutis cordatis sub-5-nervibus subtus molliter pubescentibus, umbellis breviter pedunculatis, pedicellis brevissimis, baccis oblongis acutis.—*Willd. sp. pl.* 4. *p.* 785. *Mich. fl. amer.* 2. *p.* 238.
S. pumila. *Walt. fl. car.* 244.
In shady woods: Carolina and Georgia. ♄. May. *v. s. in Herb. Lyon.* According to Walter, the berries are white.

Pseudo-China. 10. S. inermis; foliis inermibus, caulinis cordatis, ramei ovato-oblongis 5-nervibus, pedunculis longissimis.—*Willd. sp. pl.* 4. *p.* 785.
Icon. *Sloan. jam.* 1. *t.* 143. *f.* 1.
In sandy fields and dry woods: New Jersey to Carolina. ♄. May, June. *v. v.* The roots very large, and are searched after by hogs.

rotundifolia. 11. S. sparse aculeata; foliis subrotundo-ovatis acuminatis levissime cordatis 5-nervibus, baccis sphæricis.—*Willd. sp. pl.* 4. *p.* 779.
Common in hedge-rows: Canada to Carolina. ♄. June. *v. v.*

caduca. 12. S. aculeata; foliis ovatis mucronatis 5-nervibus, pedunculo communi vix petiolo longiore.—*Willd. sp. pl.* 4. *p.* 780.
In dry fields: Canada to Virginia. ♄. June. *v. v.*

laurifolia. 13. S. aculeata; ramis inermibus, foliis coriaceis ellipticis vel elliptico lanceolatis obtusis recurvato-acutis 3-nervibus, umbelliis brevissime pedunculatis.—*Willd. sp. pl.* 4. *p.* 779.
Icon. *Catesb. car.* 1. *t.* 15.
In sandy boggy woods: New Jersey to Georgia. ♄.

July, Aug. *v. v.* A very handsome vine, with very thick smooth leaves.

14. S. aculeata; foliis ovato-panduræformibus acuminatis 3-nervibus, pedunculo communi petiolo duplo longiore. *panduratus.*
In sandy woods: New Jersey to Carolina. ♄. July. *v. v.* Leaves smooth and shining on both sides.

**** Caule herbaceo.*

15. S. caule tereti scandente, foliis longe petiolatis triangulato-cordatis rotundato-obtusis, nervis glabris.—*Willd. sp. pl.* 4. *p.* 780. *tamnoides.*
Icon. *Catesb. car.* 1. *t.* 52.
In sandy wet woods and bogs: Virginia and Carolina. ♃. July. *v. v.*

16. S. caule angulato erecto simplici, foliis longe petiolatis ovalibus 7-nervibus, umbellis longissime pedunculatis, pedunculo compresso, baccis depresso-globosis.—*Willd. sp. pl.* 4. *p.* 782. *herbacea.*
Icon. *Pluk. alm. t.* 225. *f.* 4.
In dry fields, on the edges of woods: New York to Carolina. ♃. June, July. *v. v.*

17. S. caule tereti scandente, foliis subrotundo-ovatis cordatis acuminatis 9-nervibus, umbellis longissime pedunculatis.—*Willd. sp. pl.* 4. *p.* 786. *pedunculatis.*
In old fields on the edges of woods: Canada to Pensylvania. ♃. May—July. *v. v.*

328. DIOSCOREA. *Gen. pl.* 1530.

1. D. foliis verticillatis quaternis alterni sve cordatis acuminatis utrinque glabris 9-nervibus, nervis lateralibus bifidis.—*Walt. fl. car.* 246. *quaternata.*
In hedges and old fields: Virginia and Carolina. ♃. July. *v. v.*

2. D. foliis alternis oppositis verticillatisque cordatis acuminatis subtus pubescentibus 9-nervibus, nervis lateralibus simplicibus.—*Willd. sp. pl.* 4. *p.* 796. *villosa.*
D. quinata. *Walt. fl. car.* 246.
D. paniculata. *Mich. fl. amer.* 2. *p.* 239.
Icon. *Jacq. ic. t.* 626. *Pluk. alm. t.* 375. *f.* 5.
In woods and hedges common: Canada to Carolina. ♃. May, June. *v. v.*

IV. *TETRAGYNIA.*

329. SAURURUS. *Gen. pl.* 632.

cernuus. 1. S. caule folioso polystachyo, foliis sagittato-cordatis:— *Willd. sp. pl.* 2. *p.* 292.
Anonymos aquatica. *Walt. fl. car.* 127.
Mattuschkea aquatica. *Gmel. syst. nat.* 589.
Icon. *Pluk. alm. t.* 117. *f.* 3 & 4.
In swamps and shady wet woods, frequent: Canada to Carolina. ♃. Aug. Sept. *v. v.*

V. *POLYGYNIA.*

330. WENDLANDIA. *Willd. sp. pl.* 2. *p.* 275.

populifolia. 1. Wendlandia. *Willd. l. c.*
Androphylax scandens. *Wendl. obs.* 38.
Menispermum carolinianum. *Walt. fl. car.* 248. *Mich. fl. amer.* 2. *p.* 242.
Cissampelos smilacina. *Willd. sp. pl.* 4. *p.* 863.
Icon. *Wendl. hort. t.* 16. *Jacq. ic. rar.* 3. *t.* 629. *Catesb. car.* 1. *t.* 51.
In hedges and woods: Carolina to Florida. ♄. June, July. *v. v.* Flowers very small, greenish-white; berries red. I venture to take *Cissampelos smilacina* as a synonym, although Jacquin's figure deviates in character very much from the present genus; but as I have had the opportunity of seeing the *Menispermum* of the above authors frequently in flower, I am convinced that all the above synonyma are correct: the number of stamina being variable, brings the genus so near to *Menispermum*, that I should not have taken it from it, if it were not on the authority of Willdenow.

331. ALISMA. *Gen. pl.* 625.

trivialis. 1. A. foliis ovalibus cordatis obtusissimis 9-nervibus, umbellis composite verticillato-paniculatis, fructibus obtuse-trigonis.

A. Plantago. *Mich. fl. amer.* 1. *p.* 218.
In ditches and ponds, common: Canada to Florida. ♃. July. *v. v.*

2. A. foliis ovalibus subcordatis abrupte acuminatis 5-nervibus umbellis composite verticillato-paniculatis, pedicellis filiformibus. *parviflora.*
In salt-marshes, on the coast of New Jersey and Pensylvania. ♃. July, Aug. *v. v.* Leaves and flowers small. Both species approach near to *A. Plantago*, but are sufficiently distinct to admit them to be called species.

3. A. pusilla; foliis lineari-subulatis, umbellis subsimplicibus.—*Willd. sp. pl.* 2. *p.* 279. *subulata.*
In overflowed places: New York to Florida, scarce; plentifully on the shores of the Delaware near Philadelphia, to the edge of low water mark. ☉. Aug. *v. v.* A small plant, with flowers in proportion large.

4. A. foliis ovatis obtusis, pedunculis solitariis. *Willd. sp. pl.* 2. *p.* 278. *natans.*
In stagnant waters, on the banks of the St. Laurence. ♃. July. *v. s.*

VII. HEPTANDRIA.

I. MONOGYNIA.

332. TRIENTALIS. *Cal.* 7-phyllus. *Cor.* 7-partita, plana. *Bac.* 1-locularis sicca.

333. ÆSCULUS. *Cal.* 5-dentatus. *Cor.* 5-petala, inæqualis, calyci inserta. *Caps.* 3-locularis.

I. *MONOGYNIA.*

332. TRIENTALIS. *Gen. pl.* 626.

americana. 1. T. foliis angusto-lanceolatis acuminatis obliquis.
T. europæa. *Mich. fl. amer.* 1. *p.* 220.
In cedar swamps and other sphagnous places on high mountains: Canada to Virginia. ♃. July, Aug. *v. v.* Flowers white. This delicate little plant differs considerably from the European sort, although Michaux considers it to be the same.

333. ÆSCULUS. *Gen. pl.* 628.

Pavia. 1. Æ. foliis quinatis glabris inæqualiter serratis, racemo laxo, fasciculis subtrifloris, corollis 4-petalis, petalorum conniventium unguibus longitudine calycis, staminibus 7. corolla brevioribus, fructibus inermibus.—*Willd. sp. pl.* 2. *p.* 286.
Icon. *Schmidt arb.* 39. *Trew ehret. t.* 15. *Mich. arb.*....
In fertile valleys, on the mountains of Virginia and Carolina. ♄. May, June. *v. v.* Flower scarlet; generally only a shrub or small tree.

2. A. foliis quinatis utrinque acuminatis subtus tomentosis inæqualiter serrulatis, racemo thyrsoideo, fasciculis multifloris, corollis 4-petalis, petalorum conniventium unguibus longitudine calycis, staminibus 7. corolla brevioribus, fructibus inermibus. *discolor.*

In Georgia, principally the western territory. *Lyon.* ♄. May. *v. v.* Not above four feet high; flowers yellow, white, and purple variegated.

3. A. foliis quinatis subtus ad costam pubescentibus æqualiter serrulatis, racemo thyrsoideo, fasciculis multifloris, corollis 4-petalis, petalorum conniventium unguibus calyce longioribus, staminibus corolla brevioribus, fructibus inermibus.—*Willd. sp. pl.* 2. *p.* 286. *flava.*

A. lutea. *Mich. fl. amer.* 1. *p.* 219.

Icon. *Schmidt arb.* 40. *Act. soc. nat. berol.* 8. *t.* 6. *Mich. arb....*

In the mountains of Virginia and Carolina, and woods of Kentucky. ♄. May, June. *v. v.* Grows to a large tree; flowers yellow.

4. A. foliis quinatis glaberrimis, corollis 4-petalis patulis, unguibus longitudine calycis, staminibus corolla longioribus, fructibus spinosis. *Willd. enum. pl.* 405. *glabra.*

In the western counties of Pensylvania and Virginia. ♄. June. *v. v.*

5. A. foliis quinatis, corollis 4-petalis patulis, unguibus calyce brevioribus, staminibus corolla duplo longioribus, fructibus spinosis. *Willd. enum.* 406. *pallida.*

In the forests of Kentucky. ♄. June. *v. s.* A tall tree.

6. A. foliis quinatis subtus subtomentosis serrulatis, racemo longissimo laxo, fasciculis subtrifloris, corollis 4-petalis patulis, staminibus longissime exertis.—*Mich. fl. amer.* 1. *p.* 220. *macrostachya.*

A. parviflora. *Walt. fl. car.* 128.

On the banks of rivers: Georgia, principally near St. Augustin. ♄. May, June. *v. v.* A small shrub; flowers white, very ornamental. The whole of this genus is known in their native countries by the name of *Buck's-eye-tree.*

VIII. OCTANDRIA.

I. MONOGYNIA.

* *Germen inferum.*

334. RHEXIA. *Cal.* 4-fidus. *Cor.* 4-petala, calyci inserta. *Anth.* declinatæ. *Caps.* 4-locularis, intra ventrem calycis.

335. EPILOBIUM. *Cal.* 4-fidus, tubulosus. *Cor.* 4-petala. *Caps.* oblonga, 4-locularis. *Sem.* papposa.

336. GAURA. *Cal.* 4-fidus, tubulosus. *Cor.* 4-petala, adscendens. *Nux* 1-sperma. 4-angula.

337. CLARKIA. *Cal.* 4-fidus, tubulosus. *Cor.* 4-petala: petala cruciatim 3-loba. *Filam.* 4. castrata. *Caps.* 4-locularis.

338. ŒNOTHERA. *Cal.* 4-fidus, tubulosus. *Cor.* 4-petala: petalis integris. *Filam.* omnia fertilia. *Anth.* lineares. *Caps.* 4-locularis.

339. OXYCOCCUS. *Cal.* 4-fidus. *Cor.* 4-partita: laciniis sublinearibus, revolutis. *Filam.* conniventia. *Anth.* tubulosæ, bipartitæ. *Bacca* polysperma.

** *Germen superum.*

340. MENZIESIA. *Cal.* 1-phyllus. *Cor.* 1-petala, ovata. *Fil.* receptaculo inserta. *Caps.* 4-locularis, dissepimenta e marginibus inflexis valvularum. *Sem.* numerosa, oblonga.

341. DIOSPYROS. *Cal.* 4-fidus. *Cor.* urceolata, 4-fida. *Styl.* 4-fidus. *Bacca* 8-sperma. *Polygama.*

342. ACER. *Cal.* 5-fidus. *Pet.* 5. *Samaræ* 2. basi uniæ, 1-spermæ, alatæ. *Polygamum.*

343. DIRCA. *Cal.* 0. *Cor.* tubulosa, limbo obsoleto. *Stam.* tubo longiore. *Bacca* 1-sperma.

344. JEFFERSONIA. *Cal.* 5-phyllus, deciduus. *Pet.* 8. incurvo-patentia. *Caps.* obovata, substipitata, 1-lo-

cularis, infra apicem dehiscens. *Sem.* plura, oblonga, ad basin arillata.

345. PISTIA: *Cal.* spatha tubuloso-cucullata, lingulata. *Cor.* 0. *Filam.* laterale. *Anther.* 3—8. *Caps.* 1-locularis, polysperma.

II. DIGYNIA.

346. CHRYSOPLENIUM. *Cal.* 4-fidus, coloratus. *Cor.* 0. *Caps.* birostris, 1-locularis, polysperma.

III. TRIGYNIA.

347. POLYGONUM. *Cal.* 0. *Cor.* 5-partita, calycina. *Sem.* 1. angulatum, tectum.

348. BRUNNICHIA. *Cal.* angulatus, 5-fidus, demum coriaceus. *Cor.* 0. *Caps.* 1-sperma, inclusa calyce valde aucto, pedicello ensiformi-dilatato suffulto.

349. CARDIOSPERMUM. *Cal.* 4-phyllus. *Pet.* 4. *Nectar.* 4-phyllum, inæquale. *Caps.* 3. connatæ, inflatæ.

350. SAPINDUS. *Cal.* 4-phyllus. *Pet.* 4. *Caps.* carnosæ, connatæ, ventricosæ.

IV. TETRAGYNIA.

351. MYRIOPHYLLUM. *Cal.* 4-fidus. *Pet.* 4. caduca. *Stam.* 4. 6. 8. *Styl.* 0. *Sem.* 4. corticata.

I. *MONOGYNIA.*

334. RHEXIA. *Gen. pl.* 636.

1. R. caule rufescenti hirsutissimo, foliis hirsutis subpetiolatis, ovali-lanceolatis, lanceolatis linearibusve, calyce longo tubuloso glabriusculo.—*Mich. fl. amer.* 1. *p.* 221. *Willd. sp. pl.* 2. *p.* 301. *mariana.*

Icon. *Pluk. mant. t.* 428. *f.* 1. *Lam. illustr.* 283. *f.* 1.

α. R. foliis angusto-lanceolatis vel oblongis, floribus saturate purpureis. *Mich. l. c.* purpurea.

rubella. β. R. foliis ovali-lanceolatis vel oblongis, floribus dilute rubellis. *Mich. l. c.*

exalbida. γ. R. foliis linearibus, caule hirsutiore, floribus pallidis. *Mich. l. c.*

R. lanceolata. *Walt. fl. car.* 129.

In bogs and sandy woods, near waters: New Jersey to Carolina. ♃. July, Aug. *v. v.* From one to three feet high; flowers handsome.

ciliosa. 2. R. caule subquadrangulo glabro, foliis parvis subpetiolatis ovalibus subtus glabris, supra rariter hispidis, margine distincte ciliatis, floribus subsolitariis involucratis, antheris breviusculis.—*Mich. fl. amer.* 1. *p.* 221.

R. petiolata. *Walt. fl. car.* 130?

In bogs of Lower Carolina. ♃. July, Aug. *v. s. in Herb. Enslen.* Flowers large, beautiful purple.

virginica. 3. R. caule alato-angulato pilis rarioribus adsperso, foliis sessilibus ovali-lanceolatis denticulis setaceis distinctisque ciliato-serratis, hirsutie sparsa utrinque hispidulis. *Mich. fl. amer.* 1. *p.* 222.

Icon. *Bot. mag.* 968. *Pluk. alm. t.* 202. *f.* 8. *Lam. illustr. t.* 283. *f.* 2.

7-nervia. β. R. caule 4–5-pedali. *Walt. fl. car.* 130.

On the edges of ponds, in wet woods and bogs: New York to Carolina. ♃. July, Aug. *v. v.* Flowers large, purple, and very handsome.

glabella. 4. R. caule cylindraceo glabro, foliis sessilibus erectis lanceolatis lævibus glabris tenuissime denticulatis, calycibus brevissime hirsutie glutinosis. *Mich. fl. amer.* 1. *p.* 222.

Alifanus. β. R. foliis subovatis. *Walt. fl. car.* 130.

In sandy moist woods: Carolina and Georgia. ♃. July. *v. s. in Herb. Enslen.* Flowers the largest of the North American sorts, deep purple.

stricta. 5. R. caule stricte-erecto alato-tetragono glabro ad genicula brevi-barbato, foliis sessilibus erectis angusto-lanceolatis attenuato-acuminatis trinervibus utrinque glabris, corymbo dichotomo, calycibus glabriusculis.

In the bogs of Lower Carolina and Georgia. ♃. June, July. *v. s. in Herb. Enslen.* Flowers very handsome, purple.

lutea. 6. R. caule quadrangulo hirsuto, foliis rariter longiusculeque hirsutis, inferioribus cuneato-oblongis obtusis, superioribus lanceolatis, antheris breviusculis. *Mich. fl. amer.* 1. *p.* 222. *Walt. fl. car.* 130.

Rhexia ciliosa.

Rhexia lutea.

In pine-woods of Georgia and Florida. ⊙. June, July. *v. s. in Herb. Leconte.* Flowers small, yellow.

7. R. caule cylindrico subpubescente, foliis alternis lineari-bus oblongis obtusis sessilibus utrinque pubescentibus, floribus subsolitariis.—*Lam. encycl.* 6. *p.* 2. *linearifolia.*

In Carolina. *Bosc.* +. Flowers yellow.

335. EPILOBIUM. *Gen. pl.* 639.

1. E. foliis sparsis lineari-lanceolatis venosis glabris, floribus inæqualibus, staminibus declinatis.—*Willd. sp. pl.* 2. *p.* 313. *angustifoli-um.*

Icon. *Fl. dan.* 289. *Curt. fl. lond.* 2. *t.* 24.

In wet springy ground in the mountains of New Hampshire, New York, and Pensylvania, also in Canada. ♃. July. *v. v.* Flowers beautiful purple, sometimes white; the plant often above five feet high.

2. E. foliis alternis lanceolato-ovatis subintegerrimis pubescentibus aveniis, floribus inæqualibus. *Willd. sp. pl.* 2. *p.* 314. *latifolium.*

Icon. *Fl. dan.* 565.

β. E. foliis angusto-lanceolatis integerrimis, caule pumilo. *Pallas in Herb. Lambert.* tetrapetalum.

In Labrador. β. on the north-west coast. ♃. July. *v. s. in Herb. Lambert.* Flowers purple, large.

3. E. caule tetragono glabriusculo, foliis oppositis, supremis alternis lanceolatis acuminatis serrulatis, pedunculis axillaribus alternis elongatis, calycis laciniis angustis longitudine petalorum, stylo exerto, stigmate crasso 4-lobo. *luteum.*

On the north-west coast. *Pallas.* ♃. *v. s. in Herb. Lambert.* Flowers yellow, the size of *E. angustifolium.*

4. E. caule lineis prominulis subquadrangulatis, foliis oppositis, supremis alternis lanceolatis serrulatis.—*Willd. sp. pl.* 2. *p.* 317. *tetragonum.*

Icon. *Fl. dan.* 1029.

In low grounds: Canada to Carolina. ♃. July. *v. v.* Flowers small, pale red.

5. E. caule tereti pubescente superne virgatim ramoso, foliis caulinis oppositis, rameis alternis, linearibus integerrimis, floribus paucis terminalibus longissimè pedunculatis.

E. oliganthum. *Mich. fl. amer.* 1. *p.* 223?
In Canada and on the high mountains of New York and Pensylvania. ♃. July. *v. v.* Flowers very small, pale red or white.

coloratum. 6. E. caule tereti pubescente, foliis lanceolatis serrulatis petiolatis oppositis, superioribus alternis glabris rubro-venosis. *Willd. enum.* 411.
In Pensylvania. *Muhlenberg.* ♃. July. *v. v.*

palustre. 7. E. caule tereti, foliis sessilibus lanceolatis subdenticulatis, stigmate indiviso.—*Willd. sp. pl.* 2. *p.* 317.
Icon. *Engl. bot.* 346.
In low grounds: Pensylvania to Virginia. ♃. July. *v. v.*

alpinum. 8. E. caule simplici subtereti 1–2-floro, foliis oppositis ellipticis integerrimis, floribus sessilibus.—*Willd. sp. pl.* 2. *p.* 318.
Icon. *Fl. dan.* 322.
In Labrador. *Colmaster.* ♃. May, June. *v. s. in Herb. Dickson.* The smallest species, not above two inches high; flowers pale purple.

336. GAURA. *Gen. pl.* 638.

biennis. 1. G. foliis lanceolatis dentatis, spica conferta, fructibus subrotundo-4-gonis pubescentibus.—*Willd. sp. pl.* 2. *p.* 311.
Icon. *Bot. mag.* 389. *Pluk. amalth. t.* 428. *f.* 2.
On the edges of woods in fertile stony soil: Pensylvania to Carolina. ♂. July, Aug. *v. v.* Flowers rose-coloured, large.

angustifolia. 2. G. foliis crebris linearibus repando-undulatis, spicæ fructibus dissitis oblongo-4-gonis utrinque acutis subcandicantibus. *Mich. fl. amer.* 2. *p.* 226.
In dry old fields and woods: Virginia to Carolina. ♂. July. *v. v.* Flowers scarcely half the size of the foregoing, pale red.

337. CLARCKIA. *Pursh in linn. soc. trans. v.* 11.

pulchella. 1. Clarckia. *Pursh l. c.*
On the Kooskoosky and Clarck's rivers. *M. Lewis.* ♂. June. *v. s.* Flowers beautiful rose-coloured or purple.
Caulis erectus, teres, superne subramosus, pedalis et ultra. *Folia* alterna, linearia, integerrima, glabra.

Flores ex axillis superioribus, solitarii, subsessiles, magni, amœne purpurei. *Calyx* œnotheræ. *Petala* unguiculata, 3-partita, laciniis lateralibus divaricatis. *Stamina* 4: antheris linearibus, involutis: altera 4. duplo breviora: antheris castratis, subrotundis. *Stylus* longitudine fere petalorum. *Stigma* pallide luteum, 4-partitum: laciniis subrotundis.

338. OENOTHERA. *Gen. pl.* 637.

1. O. caule villoso scabro, foliis ovato-lanceolatis planis dentatis, floribus terminalibus subspicatis sessilibus, staminibus corolla brevioribus.—*Willd. sp. pl.* 2. *p.* 306. *biennis.*

Icon. *Fl. dan.* 446. *Alp. exot. t.* 324.

Common in old fields: New England to Carolina. ♂. June, July. *v. v.*

I have frequently observed a singularity in this plant, and it might be interesting to make further inquiry into its cause; it is, that in a dark night, when no objects can be distinguished at an inconsiderable distance, the plant when in [illegible] can be seen at a great distance, having a [illegible] appearance, which probably may [illegible] some phosphoric properties of the flowers.

2. O. caule purpurascente [illegible], foliis lanceolatis planis, staminibus longitudine corollæ. *Willd. sp. pl.* 2. *p.* 307. *muricata.*

Icon. *Murray com. gen.* [illegible]

In old fields and [illegible] Pensylvania to Carolina. ♂. July, Aug. *v. v.* Flowers [illegible] from the first species.

3. O. caule [illegible] subcilioso, foliis ovato-lanceolatis planis, staminibus corolla longioribus. *Willd. sp. pl.* 2. *p.* 306. *parviflora.*

Icon. *Mill. ic.* 180. *t.* [illegible] *Macrh. ic.* [illegible]

In fields and woods: Canada to Virginia; rare. ♂. July. *v. v.*

4. O. caule glabriusculo ramoso, foliis ovato-lanceolatis glabris, staminibus declinatis. *Willd. sp. pl.* 2. *p.* 306. *grandiflora.*

In woods and fields of Carolina. *Bartram.* ♂. July. *v. v.* Flowers larger than any other of the North American species, and of an agreeable scent.

5. O. caule diffuso molliter pubescente, foliis ovali-oblon- *sinuata.*

gis dentato-sinuatis, floribus axillaribus [illegible] sulis prismaticis.—*Willd. sp. pl.* 2. *p.* 3[illegible]
Icon. *Murray com. gœtt.* 5. *t.* 9. *Pluk. alm.* [illegible]
In dry fields of Virginia and Carolina. ⊙. [illegible] *v. v.*

minima. 6. O. caule simplici unifloro, foliis pusillis lanc[illegible] gerrimis pilosis, flore sessili hirsuto, ge[illegible] matico.
In barren pine-woods of Georgia. *Enslen.* [illegible] *v. s.* Not above an inch high; flower sm[illegible] the genus.

glauca. 7. O. glaberrima; foliis lato-ovalibus repand[illegible] lævigatis glaucis, capsula ovato-tetragona pedicellata. —*Mich. fl. amer.* 2. *p.* 224.
On the banks of the Mississippi, in Illinois, and on the Peaks of Otter, Virginia. ♃. July. *v. v.* A handsome species with considerable large flowers.

fruticosa. 8. O. glabriuscula; foliis lanceolatis subdentatis acutis, capsulis pedicellatis oblongo-clavatis angulatis. *Willd. sp. pl.* 2. *p.* 310.
Icon. *Bot. mag.* 332. *Meerb. ic.* 33.
In shady woods, on the edges of rivulets and springs: Pensylvania to Carolina. ♃. July. *v. v.* Commonly called *Sun-drops.*

pumila. 9. O. glabra; caulibus adscendentibus; foliis [illegible] tegerrimis obtusis, capsulis subsessilibus [illegible] ovatis angulatis.—*Willd. sp. pl.* 2. *p.* 3[illegible]
Icon. *Bot. mag.* 355. *Mill. dict.* [illegible] 138.
In dry fields of Virginia and Carolina. ♃. July. [illegible]

hybrida. 10. O. caule [illegible] villoso, foliis [illegible] pubescentibus lanceolatis remote subdentatis [illegible], capsulis subspicatis brevifol stipitatis [illegible] tetragonis. *Mich. fl. amer.* 1. *p.* 225.
O. [illegible] *Walt. fl. car.* 120.
Onagra [illegible] species [illegible] &c. *Gron. fl. virg.* 59.
In sandy fields of Virginia and Carolina. ♃. June, July. *v. v.*

linearis. 11. O. tota pubescens, gracilis, foliis linearibus integris, capsulis longiuscule stipitatis subrotundo-tetragonis villosis. *Mich. fl. amer.* 2. *p.* 225.
angustifolia. α *Pluk. mant. t.* 426. *f.* 6.
brevifolia. β. Onagra 491. *Gron. fl. virg.* 59.
In dry barren fields; Virginia and Carolina. ♃. July.

v. v. Flowers large, in proportion to the very low plant.

12. O. caule debili pubescente, foliis lanceolatis obtusiusculis planis integris, calycis tubo laciniis duplo breviore, capsula clavata acutangula sessili.—*Mich. fl. amer.* 1. *p.* 225. *chrysantha.*

O. biennis. *Walt. fl. car.* 129?

In barren lands of Canada and on the mountains of Pensylvania and Carolina. ♃. July, Aug. *v. v.* Flowers small, golden-yellow.

13. O. subpubescens; caule pumilo subsimplici; foliis lanceolato-oblongis obtusiusculis integris, floribus ad summitatem axillaribus, capsulis sessilibus clavato-turbinatis subæqualiter 8-gonis.—*Mich. fl. amer.* 1. *p.* 225. *pusilla.*

On rocks near Lake Mistassins. *Michaux.* On high mountains of Pensylvania and Virginia. ♃. July, Aug. *v. v.* Plant upright, flowers small.

14. O. scapis radicalibus unifloris, foliis oblongo-lanceolatis repando-denticulatis decurrentibus, petalis obcordatis, staminibus corolla brevioribus: *scapigera.*

On the falls of the Missouri. *M. Lewis.* ♃. July. *v. s.* Flowers large, purple, with dark veins; resembles *O. acaulis* Cavanill.

All the species, excepting the last one, have yellow flowers.

339. OXYCOCCUS. *Pers. syn.* 1. *p.* 419.

1. O. repens; foliis ovalibus integerrimis margine revolutis subacutis glabris subtus albicantibus, pedicellis elongatis, corollæ laciniis ovalibus. *vulgaris.*

O. palustris. *Pers. syn.* 1. *p.* 419.

Vaccinium Oxycoccus *α.* ovalifolius. *Mich. fl. amer.* 1. *p.* 228.

Vaccinium Oxycoccus. *Willd. sp. pl.* 2. *p.* 354.

Icon. *Fl. dan.* 80. *Lam. illustr. t.* 286. *f.* 3.

In bogs and mosses on the mountains, frequent: Canada to Pensylvania. ♄. May—July. *v. v.* A small evergreen creeping plant; flowers red; berries light purple, smaller than the following species.

2. O. repens; caulibus adscendentibus, foliis oblongis integerrimis planiusculis obtusis glabris subtus albicantibus, pedicellis elongatis, corollæ laciniis lanceolatis.—*Pers. syn.* 1. *p.* 419. *macrocarpus.*

Vaccinium macrocarpon. *Willd. sp. pl.* 2. *p.* 3
Vaccinium Oxycoccus β. oblongifolius. *Mich. fl.* *p.* 228.
Icon. *Wangh. amer. t.* 30. *f.* 67. *Pluk. alm. t.*
In bogs, principally on sandy soil and high m frequent: Canada to Virginia. ♄. May—J Berries larger, bright red, known by the *Cranberries*, as a very agreeable tart, and in great abundance for that purpose.

erectus. 3. O. erectus; foliis ovalibus acuminatis serrulatis que, pedicellis axillaribus, corolla longa de voluta.
Vaccinium erythrocarpum. *Mich. fl. amer.* 1. *p.* 227.
On high mountains of Virginia and Carolina. ♄. June. *v. v.* Berries scarlet and quite transparent, of an exquisite taste.

340. MENZIESIA. *Smith ic. inedit.* 36.

ferruginea. 1. M. foliis obovato-lanceolatis subtus extra nervos glabris, calycibus sub-4-fidis, floribus urceolatis, octandris.—*Willd. sp. pl.* 2. *p.* 355.
M. urceolaris. *Parad. lond.* 44.
Icon. *Smith ic. inedit.* 1. *t.* 56.
On the Columbia river. *M. Lewis.* ♄. June. *v. s. in Herb. Lambert.* A considerable tall shrub; flowers of a ferruginous colour, as in the following species. Previous to my seeing Mr. Salisbury's account and the specimens in the herbarium of A. B. Lam , Esq. I considered this and the following species be the same, though I had seen specimens of the present one in the collection of M. Lewis, Esq.

globularis. 2. M. foliis lanceolatis subtus glaucis extra nervos pubescentibus, calycibus 4-fidis, floribus globosis octandris.—*Salisb. in parad. lond.* 44.
M. Smithii. *Mich. fl. amer.* 1. *p.* 235.
Azalea pilosa. *Lam. illustr.* 1. *p.* ....
Icon. *Parad. lond.* 41.
On high mountains of Virginia and Carolina; plentifully on the Cacapon mountains near Winchester, Virginia. ♄. May, June. *v. v.* Not above four feet high. Flowers yellowish-brown.

ecapetriformis. 3. M. foliis linearibus serrulatis subtus concavis, pedunculis terminalibus aggregatis, floribus campanulatis decan-

dris, calycibus obtusis. *Smith in linn. trans.* 10. *p.* 380.
On the north-west coast. *Menzies.* On the Rocky-mountains and near the mouth of Columbia river. *M. Lewis.* ♄. July. *v. s.* Flowers pale red.

4. M. foliis sparsis confertis linearibus obtusis cartilagineo-denticulatis, pedunculis terminalibus aggregatis unifloris, floribus campanulatis 10-andris, calycibus acutissimis.—*Swartz in linn. trans.* 10. *p.* 377. *t.* 30. *f.* 1. *cærulea.*
Andromeda taxifolia. *Pall. fl. ross. t.* 72. *f.* 2.
Erica cærulea. *Willd. sp. pl.* 2. *p.* 393.
Phyllodoce taxifolia. *Parad. lond.* 36.
On the White Hills of New Hampshire. *Prof. Peck.* On the north-west coast and Labrador. *Herb. Banks.* ♄. July. *v. s.* Flowers red.

341. DIOSPYROS. *Gen. pl.* 1508.

1. D. foliis ovato-oblongis acuminatis glabris reticulato-venosis, petiolis pubescentibus, gemmis glabris.—*Willd. sp. pl.* 4. *p.* 1107. *virginiana.*
Icon. *Mill. ic.* 126. *Catesb. car.* 2. *t.* 76. *Mich arb.* 12.
In woods and old fields: New York to Louisiana. ♄. May. *v. v.* A middle-sized tree; flowers pale yellow; fruit known by the name of *Persimon*, the size of a common plum, golden-yellow, of an agreeable taste, when perfectly ripe, but extremely astringent before that time. In the Northern States the fruits are not eatable till the frost has mellowed them.

2. D. foliis oblongis acutis subtus pubescentibus, petiolis longis, fructibus oligospermis. *pubescens.*
In the lower counties of Virginia, Carolina and Georgia. ♄. April. *v. v.* Though Michaux in his *Arbres forestiers* considers this only as a variety, I am inclined to take it as a distinct species; not only shape and pubescence of the leaf, but difference in the structure of the fruit and seeds, indicate it sufficiently.

342. ACER. *Gen. pl.* 1590.

1. A. foliis palmato subquinquelobis basi cordatis inæqualiter inciso-dentatis subtus glaucis, incisuris acutis, umbellis sessilibus, pedicellis elongatis, germinibus glabris.—*Willd. sp. pl.* 4. *p.* 984. *rubrum.*

Icon. *Mich. arb.* 14. *Schmidt arb.* 1. *t.* 6. *Catesb. car.* 1. *t.* 62.

In low woods: Canada to Florida. ♄. April, May. *v. v.* A middle sized tree: flowers and seeds red; commonly known under the name of *Red-maple* or *Swamp-maple*.

dasycarpum. 2. A. foliis palmato-5-lobis basi truncatis inæqualiter inciso-dentatis subtus glabris glaucisque, sinubus obtusis, floribus conglomeratis, pedicellis brevissimis, germinibus tomentosis.—*Willd. sp. pl.* 4. *p.* 985.

A. eriocarpum. *Mich. fl. amer.* 2. *p.* 253.

A. tomentosum. *Hort. paris.*

Icon. *Mich. arb.* 13. *Schmidt arb.* 1. *t.* 7.

On the banks of rivers: New England to Georgia. ♄. April, May. *v. v.* A large tree; flowers and seed greenish-yellow; known by the name of *White-* or *Soft-maple*.

barbatum. 3. A. foliis ovato-cordatis breviter trilobis inæqualiter serratis subtus ad nervos pubescentibus glaucisque, pedunculis pilosis masculis ramosis, femineis simplicibus, calycibus intus barbatis, capsulæ alis erectis.—*Mich. fl. amer.* 2. *p.* 252.

A. carolinianum. *Walt. fl. car.* 251.

In deep pine and cedar swamps: New Jersey to Carolina. ♄. April, May. *v. v.* A small tree; flowers pale-green; leaves small.

saccharinum. 4. A. foliis palmato-5-lobis basi subcordatis acuminatis sinuato-dentatis subtus glaucis, pedunculis corymbosis nutantibus.—*Willd. sp. pl.* 4. *p.* 985.

Icon. *Mich. arb.* 15. *Schmidt arb.* 1. *t.* 8.

In low rich valleys: Canada to Pensylvania. ♄. April, May. *v. v.* A large timber tree; flowers yellow. The sugar prepared from the sap of this tree is one of the greatest conveniences for the inhabitants of the western countries, is equal to any other sugar, and procured with little trouble.

nigrum. 5. A. foliis palmato-5-lobis sinu clauso cordatis, lobis divaricatis sinuato-subdentatis subtus pubescentibus, floribus corymbosis, capsulis turgide subglobosis.—*Mich. arb. p.* 238.

Icon. *Mich. arb.* 16.

On mountain lands: New York to Carolina. ♄. April, May. *v. v.* This large tree produces sugar similar

to the foregoing species, and occupies the same situations where the other is not found; called *Black-maple.*

6. A. foliis digitato-5-lobis, sinubus rotundatis, lobis subtrilobatis repando-dentatis subtus pubescentibus, racemis erectis, filamentis ♀ hirsutis, germinibus hirsutissimis. *macrophyllum.*

On the great rapids of the Columbia river. *M. Lewis.* ♄. April. *v. s.* A very tall tree; leaves larger than any other known species; flowers greenish-yellow, in long compound racemes.

Arbor grandis. *Ramuli* juniores purpurascentes, glabri. *Folia* magna longe petiolata, juniora pubescentia. *Bracteæ* gemmarum longissimæ, lineares, apice incisæ, sericeo-villosæ. *Racemi* terminales, erecti, elongati. *Pedicelli* inferne aggregati, superne solitarii, glabri. *Calyx* 9-fidus: laciniis obovatis, interioribus vix latioribus. *Filamenta* ♀ subulata, supra medium barbata, calyce vix longiora. *Germen* hirsutissimum. *Stylus* glaber. *Flores* masculi decandri: filamentis calyce duplo longioribus.

7. A. foliis orbiculatis basi subcordatis 7-lobis inæqualiter acute-dentatis utrinque glabris, nervis venisque ad axillas pilosis. *circinatum.*

On the great rapids of Columbia river. *M. Lewis.* ♄. *v. s. s. fl.* This beautiful species has leaves of the size of *A. rubrum.*

8. A. foliis inferne rotundatis, superne acuminato-tricuspidatis argute-serratis glabris, racemis simplicibus pendulis.—*Mich. fl. amer.* 2. *p.* 252. *striatum.*

A. pensylvanicum. *Willd. sp. pl.* 4 *p.* 989.

A. canadense. *Marsh. arb.* ....

Icon. *Mich. arb.* 17. *Schmidt arb.* 10. *Wangh. amer. t.* 12 *f.* 28.

In mountain woods, Canada to Virginia. ♄. May. *v. v.* A small tree with an elegant striped bark; known by the name of *Striped-maple* or *Moose wood.*

9. A. foliis subquinquelobis acutis dentatis subtus pubescentibus, racemis compositis erectis.—*Willd. sp. pl.* 4. *p.* 988. *montanum.*

A. pensylvanicum. *Wangh. amer.* 82. *t.* 12. *f.* 30.

A. parviflorum. *Ehrh. beitr.* 4. *p.* 25.

A spicatum. *Lam. encycl.* 2. *p.* 677.

Icon. *Schmidt arb.* 11. *Du Roi harbk.* 1. *t.* 2.

In Canada and on the Allegany mountains; frequent. ♄. April, May. *v. v.* Flowers very small, greenish-yellow.

Negundo. 10. A. foliis pinnatis ternatisve inæqualiter serratis, floribus dioicis. *Willd. sp. pl.* 4. *p.* 992.
Icon. *Mich arb.* 18. *Schmidt arb.* 12. *Wangh. amer. t.* 12. *f.* 29.
On the banks of rivers: Pensylvania to Carolina. ♄. May, June. *v. v.* A large tree, commonly called *Box Elder* or *Ash-leaved Maple.*

343. DIRCA. *Gen. pl.* 665.

palustris. 1. Dirca. *Willd. sp. pl.* 2. *p.* 424.
Icon. *Duham. arb.* 1. *t.* 212. *Amœn. acad.* 3. *t.* 1. *f.* 7.
In shady and boggy woods: New York to Carolina. ♄. March, April. *v. v.* A low shrub; flowers yellow; known by the name of *Leather-wood*, on account of the extraordinary toughness of its branches.

344. JEFFERSONIA. *Barton in act. philad. Mich. fl. amer.* 1. *p.* 236.

diphylla. 1. Jeffersonia. *Bart. l. c.*
J. Bartonis. *Mich. fl. amer.* 1. *p.* 237.
Podophyllum diphyllum. *Willd. sp. pl.* 2. *p.* 1141.
On the side of hills, in rich soil, particularly limestone: Virginia and Tennassee; plentifully about Harper's Ferry and the Sweet-springs, Virginia. ♃. April, May. *v. v.* Flowers white, resembling those of *Sanguinaria*; the capsule is covered with a lid, which opens with elasticity and scatters the ripe seeds.

345. PISTIA. *Gen. pl.* 1112.

spathulata. 1. P. foliis in petiolum abrupte angustatis superne dilatatis rotundato-obtusis. *Mich. fl. amer.* 2. *p.* 162.
In Carolina. *Michaux.* +. Flowers white, axillary.

II. *DIGYNIA.*

346. CHRYSOSPLENIUM. *Gen. pl.* 763.

1. C. foliis oppositis subrotundis basi in petiolum attenuatis levissime crenatis.—*Willd. sp. pl.* 2. *p.* 638. *oppositifolium.*
Icon. *Fl. dan.* 365. *Engl. bot.* 490.
On rocks in rivulets and springs, near cascades; in shady situations: Canada to Carolina. ♃. May. *v. v.* Flowers brownish-yellow. Probably a distinct species, if compared in the living plants.

III. *TRIGYNIA.*

347. POLYGONUM. *Gen. pl.* 677.

* *Floribus axillaribus.*

1. P. floribus 8-andris 3-gynis, ochreis obtusis laceris membranaceis, foliis lineari-lanceolatis acutis margine revolutis carnosis, caule suffruticoso.—*Willd. sp. pl.* 2. *p.* 449. *marinum.*
Icon. *Cam. epit.* 691.
β. P. maritimum floribus carneis speciosis. *Clayt. n.* 497. roseum.
On the sandy beach: Pensylvania and Virginia. ♄. ♃. Aug. *v. v.* A small prostrate evergreen plant, with white or rose-coloured flowers.

2. P. floribus 8-andris 3-gynis, foliis lanceolatis margine scabris, ochreis nervis remotis, caule procumbente herbaceo. *Willd. sp. pl.* 2. *p.* 449. *aviculare.*
Icon. *Engl. bot.* 1252. *Mart. fl. rust. t.* 91.
α. P. foliis pusillis lanceolato-oblongis. *Mich. fl. amer.* 1. *p.* 237. angustifolium.
β. P. foliis lato-ovalibus obtusis quasi buxifolium. *Mich. l. c.* latifolium.
On pastures and road sides, in gardens, &c. common. ☉. April—Oct. *v. v.* Flowers sessile, white, very small.

3. P. floribus 3-andris 3-gynis, foliis lanceolatis, ochreis abbreviatis margine laceris, ramis interrupte multiflo- *ramosissimum.*

ris, caulibus stricte-ramosissimis striatis.—*Mich. fl. amer.* 1. *p.* 237.

P. erectum. *Willd. sp. pl.* 2. *p.* 450?

In cultivated grounds: Pensylvania and Kentucky. ⊙. June—Aug. *v. v.* Flowers on short pedicels, greenish-white.

tenue. 4. P. pumilum; foliis longe-linearibus strictis acuminatis, ochreis tubulosis apice ciliosis, caule gracili erecto ramoso acutangulo, floribus alternis subsolitariis.—*Mich. fl. amer.* 1. *p.* 238.

P. barbatum. *Walt. fl. car.* 131?

In sandy fields and pine-woods: Canada, New Jersey, and Carolina? ⊙. July, Aug. *v. v.* Not above six inches high, very slender; flowers small, white.

** *Spica gracili.*

Hydropiperoides. 5. P. floribus 8-andris semi-3-gynis, foliis lanceolatis glabris, ochreis laxis glabris apice ciliatis maculatis, spicis filiformibus debilibus subcernuis, bracteis remotiuscule alternis.—*Mich. fl. amer.* 1. *p.* 238. *sub P. Hydropiperide.*

In inundated and exsiccated places; common: Canada to Carolina. ⊙. Aug. Sept. *v. v.* Flowers white; taste and appearance of *P. Hydropiper*, but different in the flowers.

mite. 6. P. floribus 8-andris semi-3-gynis, foliis anguste lanceolatis subhirsutis, ochreis hirsutis promisse ciliatis, spicis linearibus, bracteis ciliatis subimbricatis.—*Pers. syn.* 1. *p.* 446.

P. hydropiperoides. *Mich. fl. amer.* 1. *p.* 239.

In inundated places, along ditches and ponds: Pensylvania to Carolina. ⊙. June—Sept. *v. v.* Flowers pale purple; leaves not acrid.

hirsutum. 7. P. floribus 8-andris semi-3-gynis approximatis, foliis sessilibus lanceolatis, pedunculo elongato distachyo, spicis linearibus, caule adscendente hirsuto.—*Walt. fl. car.* 132. *Mich. fl. amer.* 1. *p.* 239.

In low wet places and in ditches: Lower Carolina and Virginia. ⊙. July—Sept. *v. v.*

virginianum. 8. P. floribus 5-andris 2-gynis inæqualibus, foliis lato-ovalibus, spicis longissime virgatis, floribus remotis.—*Willd. sp. pl.* 2. *p.* 442.

In shady woods: Canada to Florida. ♃. June, July. *v. v.*

**** Spica confertiflora.*

9. P. caule simplici monostachyo, foliis ellipticis planis petiolatis, bracteis unifloris 2–3-valvis. *bistortoides.*

In low grounds on the banks of the Missouri, called *Quamash-flats: M. Lewis.* ♃. June. *v. s.* Flowers white tinged with red.

Caulis teres, glaber. *Folia* elliptico-oblonga, in petiolum decurrentia, integerrima, plana, utrinque glabra, subtus glauca, superiora linearia, sessilia. *Spica* oblonga. *Bracteæ* membranaceæ, unifloræ, 2–3-valves; valvula exterior subrotunda, acuminata, carinata. *Calyx* subinfundibuliformis: laciniis ± longis acutis. *Filamenta* 7—8. corolla longiora. *Styli* 3.

10. P. caule simplici monostachyo, foliis lanceolato-linearibus glabris margine revolutis, spica lineari, bracteis ovatis acuminatis. *viviparum.* β. subacaule.

In Canada. ♃. June, July. *v. s. in Herb. Lambert.* This almost stemless variety I have seen in dried specimens coming from Lower Canada. The specimen in the collection of A. B. Lambert, Esq. came from Labrador.

11. P. floribus 5-andris semi-2-gynis, spica cylindracea, ochreis truncatis glabris, foliis ovatis. *Willd. enum.* 429. *coccineum.*

P. amphibium. *Mich. fl. amer.* 1. *p.* 240.

α. P. foliis ovato-ellipticis obtusis. aquaticum.

β. P. foliis ovato-oblongis acuminatis. P. Bistorta. *Walt. fl car.* 131? terrestre.

α. In lakes and ponds: Canada to Pensylvania. β. In overflowed places on the Ohio and Mississippi. ♃. July, Aug. *v. v.* Flowers dark red.

12. P. floribus 8-andris semidigynis, spicis oblongis, pedunculis hispidis, foliis lanceolatis, ochreis glabris nudisque, caule tumide-geniculato.—*Willd. sp. pl.* 2. *p.* 448. *pensylvanicum.*

On the edge of ponds and ditches, in overflowed grounds; common: New York to Carolina, and principally in the western counties. ⊙. June—Aug. *v. v.* Flowers large, rose-coloured.

13. P. floribus 6-andris semi-2-gynis, spicis ovato-oblongis erectis, pedunculis lævibus, foliis lanceolatis, ochreis glabriusculis apice ciliatis.—*Willd. sp. pl.* 2. *p.* 446. *Persicaria.*

Icon. *Fl. dan.* 702. *Engl. bot.* 756.

In overflowed and wet places; common. ⊙. July, Aug. *v. v.* Flowers rose-coloured; leaves generally marked with a black spot in shape of a half moon; known by the name of *Ladies-thumb.*

orientale. 14. P. floribus 7-andris 2-gynis, foliis ovatis, caule erecto, ochreis hirtis hypocrateriformibus. *Willd. sp. pl.* 2. *p.* 448.

Icon. *Bot. mag.* 213. *Mill. ic.* 201.

Near gardens and in old fields: Virginia. ⊙. July, Aug. *v. v.* Sometimes six feet high; flowers large, crimson.

**** *Floribus paniculatis.*

articulatum. 15. P. floribus 8-andris 3-gynis, spicis paniculatis filiformibus, floribus solitariis pedunculatis, bracteis imbricatis truncatis, foliis linearibus, ochreis vaginalibus truncatis, caule herbaceo.— *Willd. sp. pl.* 2. *p.* 450.

In sandy barren fields: Canada to New Jersey. ⊙. July, Aug. *v. v.* A handsome, delicate plant, about a foot high; flowers rose-coloured, mixed with white.

polygamum. 16. P. floribus 8-andris 3-gynis, spicis paniculatis, floribus solitariis, calycis laciniis obovatis, foliis spathulatis, ochreis integris latere altero lanceolatis, caule fruticoso. *Vent. hort. cels.* 65.

Polygonella parvifolia. *Mich. fl. amer.* 2. *p.* 241.

In the barrens of Carolina. ♄. July. +. Flowers white. I strongly suspect this to be only a variety of *P. articulatum,* as the description and figure of Ventenat strongly indicate; but the northern plant is certainly only an annual.

***** *Floribus subracemosis; foliis basi incisis vel cordatis.*

sagittatum. 17. P. floribus 8-andris semi-3-gynis capitatis, foliis sagittatis, caule retrorsum aculeato.— *Willd. sp. pl.* 2. *p.* 453.

Icon. *Gmel. sib.* 3. *t.* 13. *f.* 2. *Hort. cliff. t.* 12. *Pluk. mant. t.* 398. *f.* 5.

In low wet meadows and ditches, in open situations: New York to Florida. ⊙. June—Aug. *v. v.* Flowers white.

arifolium. 18. P. floribus 6-andris semi-2-gynis distinctis, spicis pauciforis, foliis hastatis, caule retrorsum aculeato.— *Willd. sp. pl.* 2. *p.* 453.

Icon. *Pluk. amalth. t.* 398. *f.* 3.

In low shady places, principally on the mountains: New York to Carolina. ⊙. July, Aug. *v. v.* Flowers white, tinged with red.

19. P. floribus 8-andris 3-gynis, racemis paniculatis, foliis cordato-sagittatis, caule erectiusculo inermi, seminum angulis æqualibus.—*Willd. sp. pl.* 2. *p.* 455. *Fagopyrum.*
Icon. *Engl. bot.* 1044.
Common Buck-wheat, though not originally indigenous, is frequently found in old fields and woods, as it were in a wild state.

20. P. floribus 8-andris semi-3-gynis, foliis oblongis hastato-cordatis, caule volubili angulato asperiusculo, laciniis calycinis obtuse carinatis.—*Willd. sp. pl.* 2. *p.* 455. *Convolvulus.*
Icon. *Fl. dan.* 744.
In cultivated grounds, along hedges: Pensylvania to Carolina. ⊙. July, Aug. *v. v.*

21. P. floribus 8-andris semi-3-gynis, foliis cordatis, stipulis subacutis basi extrorsum serie ciliorum circumdatis, caule anguloso prostrato aut scandente asperinsculo, laciniis calycis obtuse carinatis.—*Mich. fl. amer.* 1. *p.* 241. *cilinode.*
In hedges and fields: Canada to New York. ⊙. July. *v. v.*

22. P. floribus 8-andris 3-gynis, foliis lato-cordatis, stipulis truncatis nudis, caule volubili glabro, calycibus fructiferis tripteris.—*Willd. sp. pl.* 2. *p.* 456. *scandens.*
Icon. *Pluk. alm. t.* 177. *f.* 7. *Sloan. hist.* 1. *t.* 90. *f.* 1.
In shady woods: New York to Kentucky. ♃. July, Aug. *v. v.* Stems generally red, climbing to a considerable height.

348. BRUNNICHIA. *Gært. Gen. pl.* 777.

Brunnichia. *Willd. sp. pl.* 2. *p.* 731. *cirrhosa.*
Rajania ovata. *Walt. fl. car.* 247.
Icon. *Gært. carp.* 1. *t.* 45. *f.* 2.
In wet shady places, climbing among bushes: islands of Georgia; in Tennassee, &c. ♃. June, July. *v. v.* A smooth vine; leaves cordate, acuminate; flowers in one-sided racemes.

349. CARDIOSPERMUM. *Gen. pl.* 680.

1. C. glabrum; foliolis inciso-lobatis, inparibus rhomboideis.—*Willd. sp. pl.* 2. *p.* 467. *Halicacabum.*

Icon. *Bot. mag.* 1049.
On the banks of the Mississippi, near Kaskaskias. ☉. July. *v. v.* A small climbing plant; flowers small, herbaceous.

350. SAPINDUS. *Gen. pl.* 681.

Saponaria. 1. S. foliis glabris abrupte pinnatis, foliolis ovali-lanceolatis, rachi alata, fructibus sphæricis.—*Willd. sp. pl.* 2. *p.* 468.
Icon. *Comm. hort. t.* 94.
On the sea-coast of Georgia and Carolina: probably introduced. ♄. *v. v. s. fl.* A small tree.

IV. *TETRAGYNIA.*

351. MYRIOPHYLLUM. *Gen. pl.* 1140.

spicatum. 1. M. foliis omnibus pinnatis capillaceis, spica nuda interrupta, floribus masculis polyandris.—*Willd. sp. pl.* 4. *p.* 406.
Icon. *Fl. dan.* 681. *Engl. bot.* 83.
In slow-flowing waters and ponds: Canada to New Jersey. ♃. July, Aug. *v. v.* A sub-aquatic small plant.

verticillatum. 2. M. foliis pinnatis capillaceis, superioribus pectinato-pinnatifidis, floribus omnibus axillaribus verticillatis, inferioribus femineis, superioribus masculis aut hermaphroditis 8-andris.—*Willd. sp. pl.* 4. *p.* 407.
Icon. *Fl. dan.* 1046. *Engl. bot.* 218.
In stagnant waters and ditches: Canada to Pensylvania. ♃. July, Aug. *v. v.*

scabratum. 3. M. foliis pinnatifidis, floribus omnibus verticillatis axillaribus, superioribus masculis 4-andris, inferioribus femineis, fructu 8-angulato.—*Mich. fl. amer.* 2. *p.* 190.
Potamogeton pinnatum: *Walt. fl. car.* 90.
In stagnant waters of Carolina and Georgia. ♃. July. *v. s.*

heterophyllum. 4. M. foliis inferioribus capillaceo-pinnatis, superioribus floralibus ovalibus argute serratis, floribus masculis 6-andris. *Mich. fl. amer.* 2. *p.* 191.
Potamogeton verticillatum. *Walt. fl. car.* 90.
In the waters of Carolina and Georgia. ♃. July. *v. s. in Herb. Walt.*

IX. ENNEANDRIA.

I. MONOGYNIA.

352. LAURUS. *Cal.* 4—6-partitus. *Nectar.* glandulis 3 bisetis, germen cingentibus. *Filam.* interiora quorum 3. alterna sterilia glandulifera. *Drupa* 1-sperma. *Polygama.*

353. ERIOGONUM. *Cal.* subcampanulatus, 6-fidus. *Cor.* 0. *Sem.* 1. triquetrum, calyce tectum. *Involucrum* campanulatum.

II. TRIGYNIA.

354. PLEEA. *Cor.* 6-partita, patens. *Caps.* subrotundo-trigona, 3-locularis. *Sem.* numerosa, oblonga, margini valvularum adnata. *Spica* spathis 1-floris.

I. *MONOGYNIA.*

352. LAURUS. *Gen. pl.* 688.

1. L. foliis perennantibus ovato-lanceolatis ramulisque glabris nitidis, racemis corymboso-paniculatis terminalibus, calycis patuli laciniis oblongis obtusis subæqualibus deciduis, baccis ovatis. *Mich. fl. amer.* 1. *p.* 244. *Catesbyana.*

Laurus baccis atro-purpureis, pedunculis rubris insidentibus. *Clayt. n.* 485.

Icon. *Catesb. car.* 2. *t.* 28.

On the sea-coast of Georgia and Florida. ♄. May. *v. v. s. fl.* Flowers white; berries black, on thick red peduncles.

carolinensis. 2. L. foliis perennantibus ovali-lanceolatis opacis subtus glaucis, pedunculis simplicibus, fasciculo subcapitato paucifloro terminatis, calycis laciniis exterioribus duplo brevioribus, baccis globosis.—*Mich. fl. amer.* 1. *p.* 245.

L. Borbonia. *Hortul.*

L. foliis acuminatis, flore albicante, baccis cæruleis, pediculis rubris insidentibus. *Clayt. ult.*

Icon. *Catesb. car.* 1. *t.* 63. *Mich. arb.*....

glabra. α. L. foliis subtus glabris.

pubescens. β. L. foliis subtus pubescentibus.

obtusa. γ. L. foliis obovatis obtusis.

In deep cedar and cypress swamps: Virginia to Louisiana. ♄. May. *v. v.* A small tree; flowers greenish-yellow; berries dark-blue, on red peduncles; known by the name of *Red Bay*: the wood is very valuable.

Benzoin. 3. L. ramis virgatis sub floratione aphyllis, foliis deciduis cuneato-obovalibus subtus albicantibus subpubescentibus, floribus glomerato-umbellatis, gemmis pedicellisque glabris.—*Willd. sp. pl.* 2. *p.* 485.

L. Pseudo-Benzoin. *Mich. fl. amer.* 1. *p.* 243.

Icon. *Comm. hort.* 1. *t.* 97.

In low grounds and on the banks of rivulets: Canada to Florida. ♄. March, April. *v. v.* A large shrub; flowers yellowish-green; berries scarlet; known by the name of *Spice-wood.*

Diospyrus. 4. L. humilis, virgata, nudiflora; foliis deciduis oblongo-ovalibus subtus venosis subtomentosis, floribus glomerato-umbellatis, gemmis pedicellisque villosis.—*Mich. fl. amer.* 1. *p.* 243.

L. melissæfolia. *Walt. fl. car.* 134.

Icon. *Bot. mag.* 1470.

In low grounds and near rivers: Virginia and Carolina ♄. April. *v. v.* A low shrub, resembling the preceding very much; flowers greenish-yellow; berries small, scarlet or purple.

geniculata. 5. L. ramis divaricatis flexuosis, foliis deciduis ovalibus obtusiusculis glabris, basi subtus barbatis, sub floratione nullis, umbellulis terminalibus paucifloris, antheris 4-locularibus.—*Mich. fl. amer.* 1. *p.* 244. *Walt. fl. car.* 133.

L. æstivalis. *Willd. sp. pl.* 2. *p.* 484.

L. foliis lanceolatis enervibus annuis. *Gronov. virg.* 159.

Icon. *Bot. mag.* 1471.
In low grounds, near rivers and on islands: Carolina. ♄. April. *v. v.; v. s. in Herb. Gronov.* Flowers yellow; berries globous, scarlet.

6. L. foliis integris lobatisque. *Willd. sp. pl.* 2. *p.* 485. *Sassafras.*
Icon. *Trew ehret. t.* 69 *&* 70. *Catesb. car.* 1. *t.* 55. *Mich. arb. t.* . . . .
In woods and along the banks of large rivers, frequent in old fields: Canada to Florida. ♄. March, April. *v. v.* Flowers yellow; berries blue. This valuable tree, in respect to its medicinal properties, grows to a large size in the southern regions, where I have seen trees two feet in diameter; but from Virginia northwards it decreases in size, until it becomes a mere straggling shrub.

353. ERIOGONUM. *Mich. fl. amer.* 1. *p.* 246.

1. E. caule erecto dichotomo; florum fasciculis axillaribus solitariis sessilibus, calycis laciniis subrotundis obtusis tomentosis, foliis ad geniculà caulis sessilibus ternis quaternisve cuneato-obovalibus supra glabris.—*Mich. fl. amer.* 1. *p.* 246. *tomentosum.*
Icon. *Mich. l. c. t.* 24.
In pine-barrens of Carolina and Georgia. ♃. July. *v. v.* The whole of this plant, excepting the upper side of the leaves, is covered with a close tomentum or woolly coat; flowers from twelve to fifteen collected in a cup or involucrum, white.

2. E. caule simplici nudo, florum fasciculis terminalibus umbellatis pedunculatis, umbella involucrata, calycis laciniis oblongis acutis sericeo-lanatis, foliis radicalibus petiolatis lanceolato-oblongis supra villosis. *sericeum.*
On the prairies of the Missouri, *Nuttall.* ♃. July. *v. s. in Herb. Nuttall.* The whole of this plant, as well as the foregoing, is tomentose, but of a more loose texture, approaching to villous; the calyx is covered with long white silky down; flowers bright yellow. In the same country a third species has been discovered, of which I have not materials enough to give a description.

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II. *TRIGYNIA.*

354. PLEEA. *Mich. fl. amer.* 1. *p.* 247.

tenuifolia. 1. P. glaberrima; foliis angustissime ensiformibus sensim acutissimis; spicæ vaginis 1-floris.—*Mich. fl. amer.* 1. *p.* 248.

Icon. *l. c. t.* 25.

In open wet woods of Lower Carolina. *Michaux.* ♃. *v. s.* Flowers of a yellowish-brown, the size of *Ornithogalum umbellatum.*

X. DECANDRIA.

I. MONOGYNIA.

* *Monopetalæ.*

355. ARBUTUS. *Cal.* 5-partitus. *Cor.* ovata: basi ore pellucida. *Bacca* supera, 5-locularis.

356. GAULTHERIA. *Cal.* 5-fidus, basi bibracteatus. *Cor.* ovata. *Caps.* 5-locularis, vestita calyce baccato.

357. VACCINIUM. *Cal.* 4–5-fidus. *Cor.* urceolata aut campanulata, 4–5-fida: laciniis reflexis. *Filam.* germini inserta. *Bacca* infera, 4–5-locularis, polysperma.

358. ANDROMEDA. *Cal.* 5-partitus. *Cor.* ovata: ore 5-fido, reflexo. *Caps.* supera, 5-locularis, valvulis dissepimento contrariis.

359. KALMIA. *Cal.* 5-partitus. *Cor.* hypocrateriformis: limbo subtus 5-corni, in quorum foveis antheræ incumbunt. *Caps.* 5-locularis.

360. EPIGÆA. *Cal.* 5-partitus, extus tribracteatus. *Cor.* hypocrateriformis. *Caps.* 5-locularis. *Recept.* 5-partita.

361. RHODODENDRON. *Cal.* 5-partitus. *Cor.* subinfundibuliformis, inæqualis. *Stam.* declinata. *Caps.* 5-locularis.

362. RHODORA. *Cal.* 5-dentatus. *Cor.* 3-petala. *Stam.* declinata. *Caps.* 5-locularis.

** *Polypetalæ; Regulares.*

363. PYROLA. *Cal.* 5-partitus. *Pet.* 5. *Stylus* staminibus longior. *Caps.* 5-locularis, angulis dehiscens.

364. CHIMAPHILA. *Cal.* 5-partitus. *Pet.* 5. *Stigma* sessile crassum, orbiculatum, germine immersa.

Antheræ rostratæ, foramine subbivalvi dehiscentes. *Caps.* 5-locularis, angulis dehiscens.

365. LEDUM. *Cal.* minimus, 5-dentatus. *Cor.* plana, 5-partita. *Caps.* 5-locularis, basi dehiscens.

366. AMMYRSINE. *Cal.* profunde 5-partitus. *Pet.* 5. *Stamina* exerta. *Caps.* 5-locularis, apice dehiscens.

367. CLETHRA. *Cal.* 5-partitus, persistens. *Pet.* 5. *Styl.* apice 3-fidus, persistens. *Caps.* 3-locularis, 3-valvis.

368. MYLOCARIUM. *Cal.* 5-dentatus. *Pet.* 5. *Stigm.* capitatum, trigonum, sessile. *Caps.* 3–4-alata, 3-locularis.

369. MONOTROPA. *Cal.* 0. *Pet.* 10: horum 5 exteriora basi excavata, mellifera. *Caps.* 5-valvis, polysperma.

370. DIONÆA. *Cal.* 5-phyllus. *Pet.* 5. *Stigm.* fimbriatum. *Caps.* 1-locularis, gibba, polysperma.

371. JUSSIÆA. *Cal.* 4–5-partitus, superus. *Pet.* 4–5. *Caps.* 4–5-locularis, oblonga, angulis dehiscens, calyce coronata. *Sem.* numerosa, minuta.

372. GYMNOCLADUS. *Cal.* tubulosus, 5-fidus. *Pet.* 5. æqualia, tubo inserta. *Stam.* non exerta. *Legumen* 1-loculare, intus pulposum. *Flores* racemosi. *Dioicus.*

373. ACACIA. *Cal.* tubulosus, 5-dentatus. *Pet.* 5. *Stam.* 5—10. exerta. *Legumen* 1-loculare, 2-valve. *Polygama.*

374. SCHRANKIA. *Cal.* tubulosus, 5-dentatus. *Pet.* 5. *Stam.* 8—10. exerta. *Siliqua* 4-valvis. *Polygama.*

*** *Polypetalæ, Irregulares.*

375. CASSIA. *Cal.* 5-phyllus. *Pet.* 5, subæqualia. *Anth.* supremæ 3. steriles, infimæ 3. rostratæ, in filamentis longioribus incurvis. *Legumen* membranaceum, 2-valve.

376. PODALYRIA. *Cal.* subbilabiatus, 5-fidus. *Cor.* papilionacea, alæ vexilli longitudine. *Legumen* læve, ventricosum, polyspermum.

377. CERCIS. *Cal.* 5-dentatus, inferne gibbus. *Cor.* papilionacea: vexillo sub alis brevi. *Legumen. Folia* simplicia.

378. VIRGILIA. *Cal.* 5-dentatus, inferne gibbus. *Cor.* papilionacea: alæ vexillo breviores. *Legumen* compressum, polyspermum. *Folia* pinnata.

II. DIGYNIA.

379. HYDRANGEA. *Cal.* superus, 5-dentatus. *Pet.* 5. *Caps.* 2-locularis, 2-rostris, foramine inter cornua dehiscens.

380. SAXIFRAGA. *Cal.* 5-partitus. *Pet.* 5. *Caps.* 2-rostris, 1-locularis, polysperma.

381. TIARELLA. *Cal.* 5-partitus. *Pet.* 5. integra, calyci inserta. *Caps.* 1-locularis, 2-valvis: valvula altera majore.

382. MITELLA. *Cal.* 5-fidus. *Pet.* 5. pinnatifida, calyci inserta. *Caps.* 1-locularis, 2-valvis: valvulis æqualibus.

383. SAPONARIA. *Cal.* tubulosus, nudus. *Pet.* 5. unguiculata. *Caps.* oblonga, 1-locularis.

384. DIANTHUS. *Cal.* cylindricus, longus, coriaceus, basi squamis 4—8. *Pet.* 5. unguiculata. *Caps.* cylindrica, 1-locularis, apice dehiscens.

385. SCLERANTHUS. *Cal.* 1-phyllus, cui *Stamina* inserta. *Cor.* 0. *Sem.* 1—2. calyce inclusa.

III. TRIGYNIA.

386. CUCUBALUS. *Cal.* inflatus. *Pet.* 5. unguiculata, absque corona ad faucem. *Caps.* 3-locularis.

387. SILENE. *Cal.* cylindricus. *Pet.* 5. unguiculata, coronata ad faucem. *Caps.* 3-locularis.

388. STELLARIA. *Cal.* 5-phyllus, patens. *Pet.* 5. bipartita. *Caps.* ovata, 1-locularis, polysperma, apice 6-dentata.

389. ARENARIA. *Cal.* 5-phyllus, patens. *Pet.* 5. integra. *Caps.* 1-locularis, polysperma.

IV. TETRAGYNIA.

390. MICROPETALUM. *Cal.* 5-phyllus, patens. *Pet.* 5. minuta, integra aut nulla. *Stigm.* 4. sessilia. *Caps.* ovata, calyce longior, 4-valvis.

V. PENTAGYNIA.

391. SPERGULA. *Cal.* 5-phyllus. *Pet.* 5. integra. *Caps.* ovata, 1-locularis, 5-valvis.

392. CERASTIUM. *Cal.* 5-phyllus. *Pet.* 5. bifida aut

emarginata. *Caps.* 1-locularis, apice dentatim dehiscens.

393. AGROSTEMMA. *Cal.* 1-phyllus, coriaceus. *Pet.* 5. unguiculata: limbo obtuso, indiviso. *Caps.* 1-locularis.

394. OXALIS. *Cal.* 5-phyllus. *Pet.* 5. unguibus connexa. *Stamina* inæqualia, 5. breviora, exteriora basi connata. *Caps.* angulis elastice dehiscens, 5-gona. *Sem.* subarillata.

395. PENTHORUM. *Cal.* 5-fidus. *Pet.* 0. aut 5. *Caps.* 5. cuspidata, 5-locularis.

396. SEDUM. *Cal.* 5-fidus. *Pet.* 5. *Squamæ* nectariferæ 5. ad basin germinis. *Caps.* 5.

VI. DECAGYNIA.

397. PHYTOLACCA. *Cal.* 0. *Pet.* 5. calycina. *Bacca* supera, 10-locularis, 10-sperma.

I. *MONOGYNIA.*

355. ARBUTUS. *Gen. pl.* 750.

laurifolia. 1. A. arborea; foliis oblongis utrinque acuminatis acute serratis glabris, racemis axillaribus secundis sessilibus solitariis. *Willd. sp. pl.* 2. *p.* 617.

In North America. *Linn. suppl.* 238. ♄. +. What part of North America this tree comes from, I am unacquainted with; probably from the west coast, and very likely may be found on the Columbia, as well as the foregoing species.

Nothing can be found in the Linnæan Herbarium respecting the plant. *J. E. Smith.*

Menziesii. 2. A. arborescens; foliis lato-ovalibus integerrimis glabris, petiolis longis, racemis axillaribus et terminalibus paniculatis densifloris.

On the north-west coast of America. *A. Menzies.* ♄. *v. s. in Herb. Banks.*

tomentosa. 3. A. frutescens; ramis hispidis, foliis ovalibus acutis basi subcordatis subtus albido-tomentosis, petiolis brevibus, pedunculis axillaribus longitudine foliorum subcapitato-racemifloris, floribus campanulato-urceolatis bracteatis.

Gaultheria shallon.

On the north-west coast of America. *A. Menzies.* ♄: *v. s. in Herb. Banks.*

4. A. caulibus procumbentibus, foliis obovatis acutis rugosis serratis, racemis terminalibus.—*Willd. sp. pl.* 2. *p.* 618. *alpina.*
Icon. *Fl. dan.* 73. *Engl. bot.* 2030.
In Canada. ♄. May, June. *v. v.* Flowers white; berries black.

5. A. caulibus procumbentibus, foliis cuneato-obovalibus integerrimis margine convexis coriaceis, floribus fasciculatis, baccis 5-spermis.—*Willd. sp. pl.* 2. *p.* 618. *Uva ursi.*
Icon. *Schmidt arb. t.* 138. *Fl. dan. t.* 33. *Engl. bot.* 714.
In the pine-barrens of New Jersey, and in mountainous and rocky situations of Canada and New England. ♄. June. *v. v.* Flowers pale red; berries scarlet. On the plains of the Mississippi the Indians smoke the leaves under the name of *Sacacommis*, and consider them of great medicinal virtue.

356. GAULTHERIA. *Gen. pl.* 749.

1. G. caule procumbente, ramis erectis, inferne nudis superne confertim foliosis, foliis obovatis basi acutis tenuissime ciliato-dentatis, floribus paucis terminalibus nutantibus.—*Willd. sp. pl.* 2. *p.* 616. *procumbens.*
Icon. *Bot. rep.* 116. *Duham. arb.* 1. *t.* 113.
In dry woods, on mountains, and in sandy plains: Canada to Virginia. ♄. May. *v. v.* A little shrubby plant, resembling seedling plants of *Kalmia latifolia*; flowers white; berries red, eatable, and known by the name of *Partridge-berries*. The leaves, if properly cured, make a most excellent tea, for which reason it is likewise known by the name of *Mountain-tea.*

2. G. caule repente hispido, foliis subrotundo-ovalibus acutis, floribus solitariis axillaribus subsessilibus octandris, corollis brevi-campanulatis. *Serpyllifolia.*
Vaccinium hispidulum. *Willd. sp. pl.* 2. *p.* 355.
Arbutus filiformis. *Lam. encycl.* 1. *p.* 228.
Icon. *Mich. fl. amer.* 1. *t.* 23.
In sphagnous swamps, particularly where cedars and other evergreens abound: Canada to Pensylvania. ♄. April, May. *v. v.* A small creeping plant; berries white, very sweet, and agreeable to eat.

3. G. erecta fruticosa; foliis ovatis subcordatis serrulatis; *Shallon.*

racemis secundis bracteatis, pedicellis medio bibracteolatis.

On the falls of Columbia and near the Western Ocean. *M. Lewis.* On the North-west coast. *A. Menzies.* ♄. May, June. *v. s. in Herb. Lewis. nec non Banks.*

Frutex sempervirens. *Rami* teretes, verrucosi, glabri: juniores ferrugineo-pubescentes. *Folia* alterna, brevissime petiolata, ovata vel lato-ovalia, interdum basi subcordata, abrupte acuminata, serrulata, coriacea, utrinque glabra, subtus nervis venisque reticulatis prominentibus. *Racemi* in apice ramulorum axillares et terminales, simplices, ferrugineo-pubescentes. *Flores* secundi, bracteati, albi, rore rubro pubescentes. *Pedicelli* solitarii, medio bibracteolati. *Bracteæ* lanceolatæ. *Corolla* urceolata, limbo subclauso, 5-dentata. *Bacca* subglobosa, acuta, carnosa, purpurea, extus hirsuta, intus semi-5-valvis: loculis polyspermis. *Semina* ovato-subtriquetra.

This elegant evergreen shrub is in high esteem among the natives, on account of its berries, which they call *Shallon*, and which name I have adopted here. Mr. A. Menzies, who was the first discoverer of this shrub, observes one peculiarity, which is its growing under the shade of close pine forests, where scarcely any other plant thrives: this makes it so much more desirable for our plantations, as a highly ornamental shrub, since but few will bear such a situation. I was first inclined to take this species to belong to Arbutus, having only seen imperfect specimens; but through the liberal communication of Mr. A. Menzies, I have been enabled to class it more properly with this genus, though it deviates from both in some respects.

357. VACCINIUM. *Gen. pl.* 658.

† *Foliis deciduis.*

* *Corollis campanulatis.*

staminеum. 1. V. foliis ovalibus acutis integerrimis subtus glaucis, pedicellis solitariis axillaribus filiformibus, corollis patulo-campanulatis, laciniis oblongis acutis, antheris exertis, dorso aristatis, baccis pyriformibus.—*Sp. pl.* 2. *p.* 349.

Icon. *Pluk. alm. t.* 339. *f.* 3. *bona.*

In dry woods; common: New England to Florida. ♄. May, June. *v. v.* About two feet high. Flowers white: berries green, or white [illegible]

fectly ripe. In the mountains they are known by the name of *Deer-berries*.

2. V. foliis ovalibus seu obovatis acutis integerrimis subtus glaucis, nervis venisque pubescentibus, pedicellis solitariis axillaribus filiformibus, corollis patulo-campanulatis, laciniis ovatis subacuminatis, antheris exertis dorso aristatis, baccis subglobosis.—*Willd. sp. pl.* 2. *p.* 350 ? *album.*

Icon. *Bot. rep.* 263. *V. stamineum.*

In dry sandy woods: New Jersey to Carolina. ♄. April, May. *v. v.* Flowers white, larger than No. 1; berries white or greenish-white. I am not certain whether this is the *V. album* of Linnæus or not. As I never could find any certainty about the authentic species, I venture to adopt this species for it. In the Banksian Herbarium it is under the name of *V. elevatum*.

3. V. foliis petiolatis obovalibus utrinque acutis mucronatis glanduloso-serrulatis, supra nitidis, reticulato-venosis, subtus subpubescentibus, racemis bracteatis nutantibus, pedicellis axillaribus solitariis filiformibus, corollis cylindrico-campanulatis, laciniis acutis, antheris inclusis dorso aristatis.—*Mich. fl. amer.* 1. *p.* 230. *arboreum.*

V. diffusum. *Ait. kew.* 2. *p.* 11. *Herb. Banks.*

In dry woods, on the rocky banks of rivers: North Carolina to Florida. ♄. May, June. *v. v.* A large shrub, sometimes twenty feet high, very elegant: flowers white, tinged with red; berries globular, black, almost dry.

4. V. ramulis, foliis racemisque hispidiusculis atomis resinosis irroratis, foliis obovato-oblongis basi acutis mucronatis integerrimis concoloribus, racemis bracteatis, pedicellis brevibus axillaribus subsolitariis medio bibracteatis, corollis campanulatis, laciniis rotundatis, antheris inclusis. *Bot. mag.* 1106. *Bot. rep.* 112. *dumosum.*

V. hirtellum. *Ait. kew. ed.* 2. *v.* 2. *p.* 357. *Herb. Banks.*

V. frondosum. *Mich. fl. amer.* 1. *p.* 230.

In dry sandy woods, particularly pine-forests: New Jersey to Florida. ♄. June, July. *v. v.* A low shrub; flowers large, white; berries black, globular.

5. V. foliis obovato-oblongis obtusiusculis muticis integerrimis glabris subtus glaucis copiose atomis resinosis irroratis, racemis laxis bracteatis, pedicellis longis fili- *frondosum.*

formibus bracteolatis, bracteis linearibus, corollis ovato-campanulatis, laciniis acutis, antheris inclusis.—*Willd. sp. pl.* 2. *p.* 352.

V. glaucum. *Mich. fl. amer.* 1. *p.* 231.

Icon. *Bot. rep.* 140.

lanceolatum. β. V. foliis lanceolatis utrinque acutis.

V. venustum. *Ait. kew.* 2. *p.* 11. *Herb. Banks.*

In open woods, sandy soil: New Jersey to Carolina, ♄. May, June. *v. v.*; *v. s. in Herb. Banks.* About three feet high; flowers small, almost globular, white; berries large, blue, globular, eatable; called by the country people *Blue-tangles.*

pallidum. 6. V. foliis ovatis acutis serrulatis glabris, racemis bracteatis, corollis cylindraceo-campanulatis. *Ait. kew.* 2. *p.* 10.

In North America. *Aiton.* ♄. May, June. +. A doubtful species. I have not been able to ascertain it, even after a strict examination of the Bankrian Herbarium.

** *Corollis urceolatis; Antheris inclusis.*

‖ *Floribus racemosis seu fasciculatis.*

resinosum. 7. V. foliis tenuibus petiolatis oblongo-ovalibus plerumque obtusis muticis integerrimis subtus atomis resinosis irroratis, racemis lateralibus secundis, pedicellis brevibus subbracteolatis, corollis ovato-conicis 5-gonis.—*Willd. sp. pl.* 2. *p.* 352.

Andromeda baccata. *Wangh. amer.* 2. *t.* 30. *f.* 69.

viridescens. α. V. corollis luteo-viridescentibus.

rubescens. β. V. corollis rubescentibus. *Bot. mag.* 1288.

lutescens. γ. V. foliis lanceolatis, corollis rubro-lutescentibus.

V. parviflorum. *Bot. rep.* 125.

In woods and mountains; frequent: Canada to Carolina. ♄. May, June. *v. v.* From two to four feet high. berries black, eatable.

corymbosum. 8. V. ramis floriferis subaphyllis, foliis oblongo-ovalibus utrinque acutis mucronatis subintegerrimis, junioribus utrinque pubescentibus subtus subtomentosis, adultis supra glabris, subtus nervis venisque pubescentibus, racemis brevibus sessilibus squamoso-bracteatis, corollis cylindraceo-ovatis, calycibus erectis, stylo subexerto.—*Willd. sp. pl.* 2. *p.* 351.

V. disomorphum. *Mich. fl. amer.* 1. *p.* 231.

V. album. *Lam. encycl.* 1. *p.* 73.

In swamps and wet woods: Canada to Virginia. ♄. June. *v. v.*; *v. s. in Herb. Banks.* A shrub, rising

sometimes to the height of seven or eight feet; flowers white, sometimes tinged with red; berries black, insipid.

9. V. ramis floriferis aphyllis, foliis oblongis utrinque acutis integerrimis glabris nervis subtus subpubescentibus, racemis confertis bracteatis, corollis cylindraceis, laciniis acutis, calycibus reflexis, stylo incluso.—*Willd. sp. pl.* 2. *p.* 353. *Ait. kew.* 2. *p.* 12. *amœnum.*

V. disomorphum var. *Mich. fl. amer.* 1. *p.* 231.

Icon. *Bot. rep.* 138.

In low grounds, and swamps: New Jersey to Virginia. ♄. May, June. *v. v.*; *v. s. in Herb. Banks.* A tall shrub with red twigs: flowers large, white with a red tinge; berries black, insipid. This species has a number of varieties in size, shape, and colour.

10. V. ramis floriferis elongatis subaphyllis, foliis lanceolato-oblongis utrinque acutis serrulatis glabris, racemis sessilibus corymbosis bracteatis, corollis cylindraceis, fauce coarctato, laciniis brevissimis, calycibus reflexis, stylo incluso.—*Willd. sp. pl.* 2. *p.* 353. *Ait. kew.* 2. *p.* 12. *virgatum.*

Icon. *Bot. rep.* 181.

In swamps of Virginia and Carolina. ♄. May, June. *v. v.* A middle-sized shrub; flowers tinged with crimson; very handsome.

11. V. foliis oblongis acutis serrulatis glabris, racemis aggregatis terminalibus corymbosis bracteatis, pedicellis longis nutantibus, corollis cylindraceis, laciniis erectis brevibus, calycibus acutis erectis, stylo subexerto.—*Willd. sp. pl.* 2. *p.* 351. *Ait. kew.* 2. *p.* 11. *fuscatum.*

V. formosum. *Bot. rep.* 97.

β. V. foliis angusto-lanceolatis utrinque acuminatis. angustifolium.

In swamps of Lower Carolina and Georgia. ♄. May, June. *v. v.*; *v. s. in Herb. Banks.* An elegant small shrub; flowers red and white striped; calyx brown.

12. V. foliis sessilibus cuneato-lanceolatis subserrulatis venosis pubescentibus, fasciculis sessilibus, pedicellis brevissimis, calycibus acuminatis, corollis ovatis fauce valde coarctatis, stylo exerto.—*Mich. fl. amer.* 1. *p.* 232. *galexans.*

In shady woods and swamps: Virginia and Carolina. ♄. May, June. *v. v.* Flowers small, yellowish-white; berries small, globular, black.

ligustrinum. 13. V. ramis angulatis, foliis subsessilibus erectis lanceolatis mucronatis serrulatis venosis pubescentibus, fasciculis gemmaceis sessilibus, pedicellis vix ullis, corollis oblongiuscule-ovatis.—*Willd. sp. pl.* 2. *p.* 352. *Mich. fl. amer.* 1. *p.* 233.

In dry woods: Pensylvania to Virginia; common on the mountains. ♄. May, June. *v. v.* An upright straight shrub; flowers purplish-red, [illegible] This species varies extremely in the sha[illegible] the leaves.

tenellum. 14. V. ramis angulatis viridibus, foliis sessili[illegible] ceolatis mucronatis serrulatis utrinque l[illegible] lis confertiflоris subterminalibus sessi[illegible] ovatis.—*Willd. sp. pl.* 2. *p.* 353. *Ait. k[illegible]*

V. pensylvanicum. *Lam. encych.* 1. *p.* 7[illegible] *amer.* 1. *p.* 232.

On dry hills, in gravelly soil: New Engla[illegible] ♄. May. *v. v.; v. s. in Herb. Banks.* [illegible] branching shrub; flowers pale red; calyx [illegible] large, blueish-black, extremely sweet an[illegible] eat. The mountains of Pensylvania produc[illegible] variety of this species, in size, and shap[illegible] leaves and flowers.

‖ ‖ *Floribus solitariis.*

uliginosum. 15. V foliis parvis obovatis obtusis integerrimis supra glabris subtus venosis pubescentibus glaucisque, floribus subsolitariis, corollis brevi-urceolatis.—*Willd. sp. pl.* 2. *p.* 350. *Mich. fl. amer.* 1. *p.* 235.

Icon. *Fl. dan.* 231. *Engl. bot.* 581.

In bogs of the more northern regions of Ar[illegible] April, May. *v. s.* From one to two[illegible] flowers rose-coloured; stamens from eig[illegible] berries blueish-black, eatable.

myrtilloides. 16. V. foliis angusto-lanceolatis membranaceis [illegible] subtus juxta nervos et margine pubescenti[illegible] sparsis subsolitariis brevissime-pedicellatis [illegible] *amer.* 1. *p.* 234.

V. angustifolium. *Willd. sp. pl.* 2. *p.* 351. [illegible] *p.* 11.

In Canada about Hudson's Bay and Labrador [illegible] May. *v. s. in Herb. Banks.* Berries large, blueish-black, known by the name of *Bluets.*

Gualtheria serpyllifolia. p. 283.

Ceratiola ericoides. p. 21.

1

2

3

Hamiltonia daphne. p. 178.

17. V. pusillum, cespitosum, glaberrimum; foliis cuneato-obovalibus rotundato-obtusis conspicue serratis membranaceis, floribus rameis solitariis subsessilibus, corolla breviter pedicellata. *Mich. fl. amer.* 1. *p.* 234? *cespitosum.*

In the more northern regions, particularly about Hudson's Bay. *Michaux.* ♄. A little shrub not above three inches high; berries black. Among the specimens of A. Menzies from the north-west coast in the Banksian Herbarium is one very like the present species, but apparently evergreen.

†† *Foliis sempervirentibus.*

* *Corollis campanulatis.*

18. V. humile; caulibus repentibus, ramulis erectis, foliis obovatis emarginatis revolutis subserrulatis supra lucidis, subtus punctatis, racemis terminalibus nutantibus, corollis cylindrico-campanulatis.—*Willd. sp. pl.* 2. *p.* 354. *Mich. fl. amer.* 1. *p.* 229. *Vitis Idæa.*

Icon. *Fl. dan.* 40. *Engl. bot.* 593.

On rocks near the sea-coast: Canada to New England. ♄. May, June. *v. v.* A low shrub; flowers pale red, generally 4-cleft with four stamina; berries red, acid. The American plant is more robust than the European, and the leaves are considerably larger.

19. V. repens, glaberrimum; foliis petiolatis ovalibus lucidis revolutis rariter denticulatis, fasciculis axillaribus subsessilibus paucifloris, corollis subgloboso-campanulatis brevissime 5-denticulatis, antheris dorso muticis. *Mich. fl. amer.* 1. *p.* 229. *myrtifolium.*

In Carolina. *Michaux.* ♄. +. Berries small, black.

20. V. diffusum; ramis adscendentibus laxis, foliis oblongo-lanceolatis utrinque acutis serratis rigidis glabris, racemis terminalibus corymbosis bracteatis paucifloris, floribus nutantibus, calycibus adpressis, corollis patulo-campanulatis profunde acuteque 5-dentatis.—*Bot. rep.* 105. *crassifolium.*

In Carolina. *Fraser?* ♄. May, June. *v. v.* Flowers pink red, very ornamental.

** *Corollis urceolatis.*

21. V. erectum, ramosissimum; ramis distichis, foliis nitidis obovato-ellipticis utrinque acutis glabris serratis, racemis terminalibus corymbosis bracteatis nutantibus, corollis cylindraceis.—*Bot. rep.* 480. *nitidum.*

In Carolina. ♄. May, June. *v. v.* Flowers pink-red. This species approaches near to No. 20, but differs in the shape of the corolla materially; it is also near to the following, but sufficiently different.

myrsinitis. 22. V. erectum, ramosissimum, microphyllum; foliis sessilibus ovalibus mucronatis subserrulatis supra lævigatis lucidis subtus subhirsutis scabro-punctatis, fasciculis gemmaceis terminalibus lateralibusque, corollis oblongo-ovatis.—*Mich. fl. amer.* 1. *p.* 233.

lanceolatum. β. V. foliis lanceolatis utrinque acutis.

obtusum. γ. V. foliis subrotundo-obovatis.

In dry sandy woods; Carolina and Florida. ♄. May, June. *v. v.* A beautiful little shrub; calyx scarlet; corolla purple.

buxifolium. 23. V. pumilum; foliis obovatis crenato-dentatis glabris; fasciculis congestis subsessilibus axillaribus et terminalibus, corollis brevi-ovatis, filamentis glandulosis, stigmate capitato.—*Bot. rep.* 4. *Bot. mag.* 928.

V. brachycerum. *Mich. fl. amer.* 1. *p.* 234.

In dry woods, on limestone rocks: western parts of Virginia, near Winchester and the Sweet-springs. ♄. June. *v. v.* A handsome little shrub; flowers white, delicately tinged with red.

ovatum. 24. V. foliis petiolatis ovatis acutis revolutis serratis glabris coriaceis, racemis axillaribus et terminalibus bracteatis brevibus, corollis cylindraceis, calycibus acutis.

On the Columbia river. *M. Lewis.* On the north-west coast. *Menzies.* ♄. May. *v. s. in Herb. Banks.*

obtusum. 25. V. repens; foliis parvis ovalibus utrinque rotundato-obtusis mucronatis integerrimis glabris coriaceis, pedunculis axillaribus solitariis unifloris.

On the north-west coast. *Menzies.* ♄. *v. s. s. fl. in Herb. Banks.*

358. ANDROMEDA. *Gen. pl.* 747.

* *Foliis perennantibus.*

tetragona. 1. A. foliis imbricatis carinatis margine nudis, pedunculis axillaribus solitariis filiformibus unifloris, corollis nutantibus campanulatis.—*Willd. sp. pl.* 2. *p.* 607.

Icon. *Pall. fl. ross.* 2. *t.* 73. *f.* 4. *Fl. lapp. t.* 1. *f.* 4.

In Canada; Labrador. *Colmaster.* On the north-west coast. *Nelson.* ♄. May, June. *v. s.* Flowers white

2. A. foliis imbricatis subulatis glabris, pedunculis solitariis terminalibus unifloris, corollis nutantibus globoso-campanulatis.—*Willd. sp. pl.* 2. *p.* 608. *hypnoides.*

Icon. *Fl. dan.* 10. *Pall. fl. ross.* 2. *t.* 73. *f.* 2.

On the north-west coast. *Nelson.* ♄. May. *v. s. in Herb. Banks.* A small creeping shrub, resembling a moss; flowers white, tinged with red.

3. A. foliis lineari-lanceolatis convexis revolutis subtus albicanti-glaucis supra glauco-canescentibus, floribus aggregatis terminalibus, corollis subglobosis, antheris versus apicem aristatis.—*Willd. sp. pl.* 2. *p.* 610. *Mich. fl. amer.* 2. *p.* 254. *polifolia.*

α. A. foliis lanceolato-linearibus, laciniis calycinis oblongis rubris. *Ait. kew.* 2. *p.* 68. angustifolia.

Icon. *Pall. fl. ross.* 2. *p.* 53. *t.* 70. *f. B.*

β. A. foliis oblongis, corollis ovatis incarnatis, laciniis calycinis patentibus ovatis albis interdum apice rubicundis. *Ait. kew.* 2. *p.* 68. latifolia.

In bogs of Canada and Labrador, and on the borders of mountain-lakes, in sphagnous grounds; New York and Pensylvania. ♄. June. *v. v.* A small shrub, about one foot high; flowers white, tinged with red. I strongly suspect the variety α. to be a distinct species, which might be called *A. rosmarinifolia.*

4. A. foliis lanceolato-oblongis obtusiusculis obsolete serrulatis subrevolutis squamoso-punctatis subtus ferrugineis, racemis terminalibus foliosis secundis, pedicellis brevibus solitariis axillaribus, calycibus acutis basi bibracteatis, bracteis lato-ovatis acuminatis, corollis oblongo-cylindraceis. *Willd. sp. pl.* 2. *p.* 614. *calyculata.*

Icon. *Pall. fl. ross.* 2. *p.* 53. *t.* 71. *f.* 1.

In bogs and swamps; frequent, particularly on the mountains: Canada to Virginia. ♄. April, May. *v. v.* Flowers white.

5. A. foliis lineari-lanceolatis acutis margine subundulato-revolutis squamoso-punctatis subtus subferrugineis, racemis terminalibus foliosis secundis, pedicellis brevibus solitariis axillaribus, calycibus acuminatis basi bibracteatis, bracteis minutis acutis, corollis oblongo-ovalibus. *angustifolia.*

A. calyculata γ. angustifolia. *Ait. kew.* 2. *p.* 70.

In open swamps: Carolina and Georgia. ♄. April, May. *v. v.; v. s. in Herb. Lambert.* This species approaches nearly to the preceding, but is sufficiently distinct to admit it to be more than a variety.

ferruginea. 6. A. fruticosa; ramis subflexuosis, foliis coriaceis distantibus longe petiolatis obovatis plerumque obtusis integerrimis planis margine revolutis subtus squamoso-farinosis reticulato-venosis, pedicellis aggregatis axillaribus simplicibus unifloris paucis furfuraceo-ferrugineis, corollis subglobosis, antheris muticis.

A. ferruginea. *Walt. fl. car.* 138.

A. ferruginea β. fruticosa. *Mich. fl. amer.* 1. *p.* 252.

Icon. *Vent. malm.* 80.

In the pine-woods of Georgia and Florida. ♄. June. *v. v.* A shrub from three to five feet high. Flowers small, white inside and ferruginous outside.

rigida. 7. A. arborescens; ramis strictis, foliis coriaceis rigidis confertis brevi-petiolatis cuneato-lanceolatis acutis integerrimis convexis margine revolutis subtus squamoso-tomentosis subaveniis, pedicellis aggregatis axillaribus simplicibus unifloris numerosis furfuraceo-ferrugineis, corollis subglobosis, antheris muticis.

A. ferruginea. *Willd. sp. pl.* 2. *p.* 609. *Ait. kew.* 2. *p.* 67.

A. ferruginea α. arborescens. *Mich. fl. amer.* 1. *p.* 252.

In barren sandy woods: Carolina to Florida. ♄. April. *v. v.* A shrub almost twenty feet high, or sometimes forming a small tree: though nearly allied to the former species, their habits, and particularly their flowering time, differ so materially, that I have always considered them to be distinct species.

nitida. 8. A. glaberrima; ramis subtriquetris, foliis coriaceis ovalibus acuminatis integerrimis lævigatis, costa marginem deflexum percurrente, fasciculis axillaribus, corollis cylindraceis, laciniis calycis elongatis linearibus coloratis, antheris basi bicorniculatis.—*Mich. fl. amer.* 1. *p.* 252.

A. coriacea. *Willd. sp. pl.* 2. *p.* 613. *Ait. kew.* 2. *p.* 70.

A. lucida. *Lam. encycl.* 1. *p.* 157.

A. marginata. *Duham. arb.* . . . .

A. mariana. *Jacq. ic.* 3. *t.* 465.

Icon. *Bot. mag.* 1035.

In the sandy forests of Carolina and Florida. ♄. June, July. *v. v.* A handsome small shrub; flowers pale red; the calyx long, of a dark-red colour; leaves marked with very fine punctures.

axillaris. 9. A. foliis oblongo-ovalibus basi acutis brevissime cartilagineo-serratis lucidis glabris coriaceis.

spicatis axillaribus sessilibus squamoso-bracteatis undique confertifloris, corollis cylindraceo-ovatis, antheris muticis.—*Willd. sp. pl.* 2. *p.* 613. *Ait. kew.* 2. *p.* 69.

β. A. foliis lineari-lanceolatis longissimis. longifolia.

On the mountains of Virginia to Georgia. ♄. May, June. *v. v.* Flowers in short spikes, white; capsules depressed, globular.

10. A. foliis petiolatis ovato-oblongis basi rotundatis superne sensim angustatis acuminatis subserrulatis, serraturis adpresso-spinulosis glabris coriaceis, racemis subspicatis axillaribus sessilibus squamoso-bracteatis secundis laxiusculis, corollis brevibus cylindraceo-ovatis, antheris muticis. *spinulosa.*

A. Catesbæi. *Walt. fl. car.* 137. *Willd. sp. pl.* 2. *p.* 613.

In Lower Carolina. ♄. May, June. *v. v.* Resembles the foregoing one in several respects. The figure of *Catesb. car.* 2. *t.* 43. is so very slightly done, that there can be no reference made to it, and probably belongs to *A. racemosa.*

11. A. glaberrima; foliis ovato-lanceolatis superne sensim angustatis acuminatis integerrimis seu inæqualiter-serratis glabris nitidis reticulato-venosis coriaceis, racemis axillaribus brevissimis corymbosis nudiusculis, floribus pedicellatis nutantibus, corollis cylindraceo-ovatis, antheris muticis postice gibbis.—*Willd. sp. pl.* 2. *p.* 613. *Ait. kew.* 2. *p.* 70. *acuminata.*

A. lucida. *Jacq. ic.* 1. *t.* 79.
A. populifolia. *Lam. encycl.* 1. *p.* 159.
A. reticulata. *Walt. fl. car.* 137.
A. formosissima. *Bartr. catal.* ....
A. laurina. *Mich. fl. amer.* 1. *p.* 253.
Icon. *Smith exot. bot.* 89. *bona. Jacq. ic.* 79. *mala.*

In sandy swamps of Georgia and Florida. ♄. July. *v. v.* Flowers white, in great abundance; which gives this shrub a fine appearance. The stem is hollow inside, and is used by the natives for making their pipe-stems of it, from which the name *Pipe-stem wood.*

12. A. glaberrima; foliis oblongo-ovatis acutis tenuissime serrulatis adpresso-ciliatis glabris coriaceis, racemis secundis axillaribus et terminalibus congesto-paniculatis, pedicellis bibracteatis. *floribunda.*

In the mountains of Georgia. *Lyon.* ♄. May, June.

v. v.; v. s. in Herb. Lyon. Flowers clear white, in great abundance.

** *Foliis deciduis.*

mariana. 13. A. foliis ovalibus utrinque subacutis integerrimis glabris subcoriaceis subtus pallidioribus, ramis floriferis subaphyllis, pedunculis fasciculatis, corollis ovato-cylindraceis, calycibus foliosis, antheris muticis, capsula conoidea. *Willd. sp. pl. 2. p. 609. excl. syn. Jacquin.*

angustifolia. β. A. foliis angusto-lanceolatis.

Icon. *Pluk. mant. t. 448.*

In woods and dry swamps, particularly in sandy soil: New England to Florida. ♄. May Aug. *v. v.* A low shrub; flowers large, white, sometimes tinged with red. This plant has a number of very striking varieties.

speciosa. 14. A. foliis ovalibus obtusis mucronatis crenatis serratisve reticulato-venosis, ramis floriferis denudatis aggregato-racemifloris, corollis campanulatis, antheris apice geminatim 4-aristatis.—*Mich. fl. amer. 1. p. 256.*

nitida. α. A. foliis oblongo-ovatis serratis utrinque viridibus.

A. cassinæfolia. *Vent. malm. 79.*

pulverulenta. β. A. foliis rotundato-ovatis remote crenatis ramisque albo pulverulentis.

A. pulverulenta. *Bartr. it. 476. Bot. mag. 667.*

A. cassinæfolia β. *Vent. hort. cels 60.*

A. ovata. *Solander mss. in mus. Banks.*

In swamps of North Carolina. ♄. June. *v. v.* A very ornamental little shrub; flowers large, white. I certainly must coincide with Michaux's idea of *A. pulverulenta* being only a variety, as I very frequently have seen intermediate varieties, and even had the trace of both on one plant.

racemosa. 15. A. foliis ovali-lanceolatis acutis serrulatis membranaceis glabris, spicis terminalibus secundis elongatis simplicibus ramosisve, bracteis linearibus acutis, corollis cylindraceis, calycibus acutis basi bibracteatis, antheris apice geminatim quadriaristatis.—*Willd. sp. pl. 2. p. 612.*

A. paniculata. *Walt. fl. car. 138.*

A. racemis simplicibus, foliis lanceolatis [illegible] *Gronov. virg. 67.*

In bogs and swamps; frequent: Canada to [illegible] June, July. *v. v.* A middle-sized shrub, [illegible]

be reckoned one of the finest in North America, not only for the graceful appearance of its flowers, but the fine odour they have.

16. A. ramis teretibus, foliis oblongis acuminatis mucronato-serratis glabris, paniculis terminalibus polystachiis, corollis ovoideo-cylindraceis pubescentibus, antheris linearibus muticis.—*Willd. sp. pl.* 2. *p.* 612. *arborea.*
Icon. *Bot. mag.* 905. *Catesb. car.* 1. *t.* 71. *Mich. arb.* . . . .
In the valleys of the Allegany-mountains: Pensylvania to Florida. ♄. June, July. *v. v.* A beautiful tree, from forty to sixty feet high. Flowers white. The leaves are of a very pleasant acid taste, from which it has been called *Sorrel-tree*. They are frequently made use of by hunters in those mountains to alleviate thirst.

17. A. pubescens; foliis obovato-lanceolatis acutis subintegerrimis, ramis floriferis terminalibus paniculatis nudiusculis, glomerulis pedunculatis, corollis subglobosis pubescentibus, antheris obtusis muticis.—*Willd. sp. pl.* 2. *p.* 612. *paniculata.*
A. globulifera. *Hortul.*
A. racemosa. *Lam. encycl.* 1. *p.* 158.
Common in all swamps and woods: Canada to Carolina. ♄. June, July. *v. v.* Flowers small, white. There are a number of varieties of this shrub, in size, pubescence, shape of leaves, &c.

18. A. hispido-pubescens; foliis obovato-lanceolatis seu oblongis acutis serrulatis, ramis floriferis foliosis, glomerulis axillaribus paucifloris subsessilibus, corollis globosis hispidis, antheris aristatis. *frondosa.*
A. racemosa. *Walt. fl. car.* 138.
A. paniculata foliosiflora. *Mich. fl. amer.* 1. *p.* 225.
In the lower counties of Virginia and Carolina. ♄. May—July. *v. v.* Nearly allied to the former; but sufficiently distinct to form a species.

359. KALMIA. *Gen. pl.* 743.

1. K. ramis, foliis calycibusque hirsutissimis, foliis oppositis alternisque subsessilibus ellipticis, pedunculis axillaribus solitariis unifloris foliis longioribus.—*Willd. sp. pl.* 2. *p.* 601. *Walt. fl. car.* 138. *Mich. fl. amer.* 1. *p.* 257. *hirsuta.*

K. ciliata. *Bartr. it.* 18.
Icon. *Bot. mag.* 138.
In barren pine-woods: South Carolina and Georgia. ♄. June—Aug. *v. v.* A beautiful little shrub, but difficult to cultivate; leaves small, like thyme; flowers large, red.

glauca. 2. K. ramulis ancipitibus, foliis oppositis subsessilibus oblongis lævibus subtus glaucis margine revolutis, corymbis terminalibus bracteatis, pedunculis calycibusque glaberrimis.—*Ait. kew. ed.* 2. *v.* 3. *p.* 47. *Willd. sp. pl.* 2. *p.* 601.
K. polifolia. *Wangh. act. soc. berol.* 8. *p.* 129. *t.* 5.
Icon. *Bot. mag.* 177. *Ait. kew.* 2. *t.* 8. *Lam. illustr.* 363.

rosmarinifolia. β. K. foliis linearibus magis revolutis subtus viridibus.
In bogs of Canada and on the borders of mountain-lakes of New York and Pensylvania. ♄. Apr., May. *v. v.* An upright, small shrub; flowers pale red, very handsome. The variety β. I discovered in a bog near Albany, New York, and am inclined to think it a distinct species.

cuneata. 3. K. foliis sparsis sessilibus cuneato-oblongis subtus pubescentibus apice minutim aristatis, corymbis lateralibus paucifloris. *Mich. fl. amer.* 1. *p.* 257.
On the mountains of Carolina. *Michaux.* ♄. +. Flowers white, with red at the bottom. Resembles the following one in some respects, but is distinct; the leaves are like those of *Azalea*. *Mich.*

angustifolia. 4. K. foliis ternis petiolatis oblongis obtusis subtus subferrugineis, corymbis lateralibus, bracteis linearibus, pedunculis calycibusque glanduloso-pubescentibus.—*Ait. kew. ed.* 2. *v.* 3. *p.* 47. *Willd. sp. pl.* 2. *p.* 601.
Icon. *Bot. mag.* 331. *Catesb. car.* 3. *t.* 17. *f.* 1. *Trew ehret. t.* 38 *f.* 2.

ovata. β. K. foliis latioribus subovatis, caule altiore.
In bogs and swamps, and sometimes in dry mountain lands: Canada to Carolina. β. New Jersey mountains. ♄. May—July. *v. v.* A shrub from one to two feet high; flowers dark red, known by the name of *Sheep Laurel*, being considered very poisonous when fed upon by sheep.

latifolia. 5. K. foliis longe petiolatis sparsis ternisque ovalibusque lævigatis et subconcoloribus, corymbis terminalibus viscido-pubescentibus.—*Willd. sp. pl.* 2.

Icon. *Bot. mag.* 175. *Wangh. amer. t.* 24. *f.* 50. *Catesb. car.* 2. *t.* 98.

On the sides of stony hills: Canada to Carolina. ♄. June, July. *v. v.* A shrub from three to eight feet high, very elegant when in flower; called *Laurel* or in the mountains *Callico-bush.* The whole of this genus are evergreen.

360. EPIGÆA. *Gen. pl.* 748.

1. E. ramis petiolis nervoque hirsutissimis, foliis cordato-ovatis integerrimis, corollis cylindricis.—*Willd. sp. pl.* 2. *p.* 615. *repens.*

Icon. *Bot. rep.* 102. *Lam. illustr. t.* 367. *f.* 1. *Pluk. alm. t.* 107. *f.* 1.

On shady rocks and in stony woods: Canada to Carolina. ♄. May—July. *v. v.* A small trailing and creeping plant; flowers white, tinged with red, very fragrant.

361. RHODODENDRON. *Gen. pl.* 746.

1. R. arborescens; foliis oblongis acutis subtus discoloribus, umbellis terminalibus, calycis laciniis ovalibus obtusis, corollis campanulatis.—*Willd. sp. pl.* 2. *p.* 606. *maximum.*

α. R. foliis elliptico-oblongis convexis basi obtusiusculis subtus albicantibus vel ferrugineis, corollæ laciniis subrotundis, stylo staminibus vix longiore, floribus albido-roseis. roseum.

R. maximum. *Schmidt arb. t.* 121. *Bot. mag.* 951. *bona. Lam. illustr.* 364.

β. R. foliis cuneato-lanceolatis planis basi sensim acutis subtus pallidioribus, corollæ laciniis rotundato-oblongis, stylo staminibus vix longiore, floribus minoribus albidis. album.

γ. R. altissimum; foliis majoribus oblongo-ellipticis planiusculis basi obtusiusculis utrinque viridibus, corollæ laciniis oblongis obtusis, stylo staminibus paulo longiore, floribus purpurascentibus. purpureum.

α. In the mountains, near rivulets and lakes: Canada to Carolina. β. In shady cedar-swamps of New Jersey and Delaware. γ. On the highest mountains of Virginia and Carolina, near lakes. ♄. α, June, July. β. July, Aug. γ. May, June. *v. v.* This elegant shrub, with its varieties, grows from four to twenty feet high; flowers large and in great abundance. The

variety γ. approaches near to *R. ponticum*, but is different in its foliaceous calyx and otherwise; it occupies the borders of lakes on high mountains, and grows to an immense size; its stem is often found eighteen inches and more in diameter, and its foliage triple the size of any other species: it might be considered as a distinct species. The only plant of this sort I have seen in England is in the garden of James Vere, Esq. at Kensington Gore. The leaves of var. β. are so distinct from var. α. that it also has claims to be a species.

punctatum. 2. R. foliis ovali-lanceolatis utrinque acutis glabris subtus ferrugineis resinoso-punctatis, umbellis terminalibus, pedicellis brevibus, dentibus calycis brevissimis, corollis infundibuliformibus, laciniis ovatis subundulatis, capsulis elongatis.—*Willd. sp. pl.* 2. *p.* 607.

R. minus. *Mich. fl. amer.* 1. *p.* 258.

Icon. *Bot. rep.* 36. *Vent. hort. cels.* 15.

On the mountains of Carolina, particularly on the head-water of the Savannah river. ♄. July, Aug. *v. v.* An elegant shrub, not near the size of No. 1; flowers pink-red and smaller.

catawbiense. 3. R. foliis brevi-ovalibus utrinque rotundato-obtusis glabris subtus discoloribus, umbellis terminalibus, laciniis calycis elongato-oblongis, corollis campanulatis.—*Mich. fl. amer.* 2. *p.* 258.

On the high mountains of Virginia and Carolina, particularly on the head-waters of the Catawba river. ♄: May, June. *v. v. s. fl.* The flowers are said to be scarlet.

362. RHODORA. *Gen. pl.* 745.

canadensis. 1. Rhodora. *Willd. sp. pl.* 2. *p.* 608.

Icon. *Bot. mag.* 474. *Lam. illustr.* 364. *Lherit. stirp.* 1. *t.* 68.

In bogs of Canada, and on the high mountains of New York and Pensylvania. ♄. April, May, *v. v.* A shrub about two feet high, of the appearance of *Azalea*. Leaves elliptic, entire, of a glaucous [illegible] pubescent underneath. Flowers in terminal [illegible] pale purple.

363. PYROLA. *Gen. pl.* 572.

1. P. foliis rotundatis sive subrotundo-obovalibus obsolete serrulatis, spica floribus undique versis, pistillo declinato. — *Willd sp. pl.* 2 *p.* 621. *rotundifolia.*
Icon. *Fl. dan.* 110. *Engl. bot.* 213. *Lam. illustr. t.* 367. *f.* 1.
In dry stony or sandy woods: Canada to Carolina. ♃. June, July. *v. v* Flowers white; the stigma is rotate, with five tubercles.

2. P. foliis reniformibus, scapo squamis nonnullis convolutis vaginantibus remote vestito, spica floribus undique versis, pistillo declinato. *Mich. fl. amer.* 1. *p.* 251. *asarifolia.*
In Canada. *Michaux.* On the mountains of Pensylvania, in beech-woods. *P.* ♃. July. *v. v.* Flowers yellowish-green.

3. P. foliis subrotundo-ovalibus serrulatis, scapo subnudo, spica floribus undique versis, pistillo recto.—*Willd. sp. pl.* 2. *p.* 621. *minor.*
Icon. *Fl. dan.* 55. *Engl. bot.* 158.
In Canada and Labrador; rare in the western parts of New York. ♃. July. *v. v* Flowers smaller than the foregoing species, white, with a tinge of red; stigma peltated.

4. P. foliis rotundato-ovatis acutis serratis, spicæ floribus secundis, pistillo recto.—*Willd. sp. pl.* 2. *p.* 621. *secunda.*
Icon. *Fl. dan.* 402. *Engl. bot.* 517.
In sandy barren woods: Canada to New Jersey. ♃. July. *v. v.* Flowers greenish-white; stigma peltate, gibbous.

5. P. foliis suborbiculatis serratis, scapo unifloro, stylo recto. *Willd. sp. pl.* 2. *p.* 622. *uniflora.*
Icon. *Fl. dan. t.* 8. *Engl. bot.* 146.
In shady woods and sphagnous swamps: Canada to New York. ♃. July. *v. v.* This pretty little plant has large white and fragrant flowers; the stigma is five-radiated. All these species are evergreen, and known by the name of *Winter-green.*

364. CHIMAPHILA.

maculata. 1. C. foliis lanceolatis basi rotundatis remote serratis fascia longitudinali discolore notatis, scapo 2-3-floro, filamentis lanuginosis.
Pyrola maculata. *Willd. sp. pl. 2. p. 622.*
Icon. *Bot. mag. 897. Pluk. mant. t. 349. f. 4.*
In shady gravelly or sandy woods: Canada to Carolina. ♃. July. *v. v.* Flowers white; leaves handsomely variegated. This plant is in high esteem for its medicinal qualities among the natives, they call it *Sip-si-sewa.* I have myself been witness of a successful cure made by a decoction of this plant, in a very severe case of hysterics. It is a plant eminently deserving the attention of physicians.

corymbosa. 2. C. foliis cuneato-lanceolatis basi acutis serratis concoloribus, scapo corymbifero, filamentis glabris.
P. umbellata. *Willd. sp. pl. 2. p. 622.*
Icon. *Bot. mag. 778. Lam. illustr. t. 367. f. 2.*
In dry woods, frequent: Canada to Virginia. ♃. July. *v. v.* Flowers greenish-white, tinged with red; anthers purple. Both species are handsome evergreens, and known by the name of *Winter-green.* I have ventured to form a new genus of these two species of *Pyrola*, so very distinct in habit as well as character. The name I have given is taken from the common name *Winter-green*: χειμα *hyems*, and φιλος *amicus.*

365. LEDUM. *Gen. pl. 744.*

palustre. 1. L. foliis linearibus margine revolutis subtus ferrugineo-tomentosis, staminibus denis corolla longioribus. *Lam. encycl. 3. p. 459. Willd. sp. pl. 2. p. 602.*
Icon. *Fl. dan. 1031. Duham. arb. 1. t. 67. Schmidt arb. 163.*

decumbens. β. L. spithamæum decumbens. *Ait. kew. ed. 2. v. 3. p. 48.*
In swamps of Canada and round mountain-lakes of New York. β. Near Hudson's Bay. ♄. April, May. *v. v.* Flowers white.

latifolium. 2. L. foliis lineari-oblongis margine replicatis subtus ferrugineo-tomentosis, staminibus subquinis corollæ quantibus. *Lam. encycl. 3. p. 459. Willd. sp. pl. p. 602.*
L. græenlandicum. *Retz. obs. 4. p. 26.*

L. palustre. *Mich. fl. amer.* 1. *p.* 259.
Icon. *Schmidt arb.* 164, *Jacq. ic.* 3. *t.* 464. *Lam. illustr. t.* 363. *f.* 1.
In sphagnous swamps of Canada. ♄. April, May. *v. v.* A larger and broader leaved plant than the foregoing one; commonly called *Labrador Tea.*

366. AMMYRSINE.

1. A. foliis pusillis convexis ovalibus glabris lucidis, corymbis terminalibus congestis. *buxifolia.*
Ledum buxifolium. *Willd. sp. pl.* 2. *p.* 602. *Ait. kew.* 2. *p.* 65.
Ledum thymifolium. *Lam. encycl.* 3. *p.* 459.
Icon. *Bergius act. petrop.* 1777. *p.* 1. *t.* 3. *f.* 2. *Lam. illustr. t.* 363. *f.* 2.
In pine-barrens of New Jersey and on the mountains of Carolina. ♄. May, June. *v. v.* This elegant little shrub grows to the height of about six inches, and sometimes a foot; the delicacy of its leaves and abundance of its white flowers are highly ornamental. I propose it as a distinct genus, being on one side related to *Ledum*, on the other approaching very near to *Azalea procumbens*, vid. p. 154. The name has been derived from αμμος *sabulum*, and μυρσινη, *myrtus pumilus*; being known by the name of *Sand-myrtle* among the inhabitants of New Jersey.

367. CLETHRA. *Gen. pl.* 751.

1. C. foliis cuneato-obovatis acutis superne grosse-serratis utrinque glabris concoloribus, racemis spicatis simplicibus bracteatis cano-tomentosis.—*Willd. sp. pl.* 2. *p.* 619. *alnifolia.*
C. alnifolia denudata. *Ait. kew.* 2. *p.* 73.
Icon. *Schmidt arb.* 47. *Lam. illustr.* 369. *Mill. ic.* 28. *Catesb. car.* 1. *t.* 66.
In swamps, frequent: New England to Virginia. ♄. July—Sept. *v. v.* A shrub from three to four feet high; flowers white, as likewise all the following species are.

2. C. foliis cuneato-obovatis acutis superne tenue-serratis subtus albo-tomentosis, racemis spicatis simplicibus bracteatis villoso-tomentosis.—*Lam. encycl.* 2. *p.* 46. *tomentosa.*
C. alnifolia pubescens. *Ait. kew.* 2. *p.* 73.

In swamps of Virginia and Carolina. ♄. July, Aug. *v. v.* Though generally considered a variety of No. 1, I take it to be a genuine species, as I have seen seedling plants of both species keeping constantly their distinction.

scabra. 3. C. foliis lato-cuneato-obovatis acutis utrinque scabris grosse-serratis; serraturis uncinatis, racemis spicatis subpaniculatis bracteatis tenue-tomentosis. — *Pers. syn.* 1. *p.* 483?

In the western parts of Georgia. *Lyon.* ♄. July. *v. s. in Herb. Lyon.*

paniculata. 4. C. foliis anguste cuneato-lanceolatis acutis acuminato-serratis utringue glabris, panicula terminali elongata racemiflora albo-tomentosa.—*Willd. sp. pl.* 2. *p.* 620. *Ait. kew.* 2. *p.* 73.

In Carolina. *Bartram.* ♄. July, Aug. *v. s. in Herb. Banks.*

acuminata. 5. C. foliis ovalibus acuminatis basi obtusiusculis serratis utrinque glabris subtus subglaucis, racemis spicatis subsolitariis bracteatis albo-tomentosis.—*Mich. fl. amer.* 1. *p.* 260.

C. montana. *Bartr. catal.*

On the high mountains of Carolina. ♄. July, Aug. *v. v.* Grows to the size of a tree; leaves large; flowers resembling those of No. 1.

368. MYLOCARIUM. *Willd. enum.*

ligustrinum. 1. Mylocarium. *Willd. l. c.*

Cliftonia. *Herb. Banks.*

On the dry borders of swamps: Georgia. ♄. May, June. *v. v.* An elegant evergreen shrub, growing to the height of eight or twelve feet; flowers white, sweet-scented, in terminal spikes; seeds resembling buck-wheat, from which it has been called *Buck-wheat Tree.*

Frutex sempervirens, 8-pedalis et ultra. *Caulis* ramosissimus, cortice cinereo. *Rami* sparsi, glabri, fusci. *Folia* sparsa in summitate ramulorum conferta, patentia, subsessilia, cuneato-lanceolata, acutiuscula, integerrima, utrinque glabra, lævigata, plana, coriacea, subtus glauca. *Racemi* terminales, solitarii, seu interdum basi ramosi, erecti, bracteati, solitariæ, oblongæ, acutæ, membranaceæ,

Mylocarium ligustrinum.

pedicello breviores, albidæ, apice ferrugineæ. *Pedicelli* filiformes, rubelli, medio bibracteolati. *Bracteolæ* subulatæ. *Flores* albi, suaveolentes. *Calyx* minimus, viridis, albo-marginatus: laciniis subrotundis. *Petala* oblongo-obovata, obtusa, subunguiculata: unguibus erectis: laminæ concavæ, patentes. *Filamenta* receptaculo inserta, 5. alterna longiora, corolla vix breviora, inferne dilatata, crassa, superne subulata. *Antheræ* subrotundæ, flavæ. *Germen* prismatico-3-4-gonum, viride. *Stigma* sessile, crassum. *Capsula* magnitudine et figura *Polygoni Fagopyri*, 3-4-alata, 4-locularis. *Semina* solitaria.

369. MONOTROPA. *Gen. pl.* 737.

1. M. scapo spicifloro, squamis floribusque extus glabris; floribus lateralibus octandris. — *Willd. sp. pl.* 2. p. 573. *Hypopithys.*

Icon. *Fl. dan.* 232. *Engl. bot.* 69. *Moris. hist.* 3. *s.* 12. *t.* 16. *f.* 20. *Pluk. alm. t.* 209. *f.* 5.

Parasitic, on the roots of beech and other trees, in shady moist places: Canada to Pensylvania. ♃. June, July. *v. v.* The whole plant is of a brownish-yellow appearance; it is smaller than the European species.

2. M. scapo spicifloro, bracteis floribusque undique lanuginosis.—*Mich. fl. amer.* 2. *p.* 266. *lanuginosa.*

In similar places: Pensylvania to Carolina. ♃. July. *v. v.* Of a light tan-colour.

3. M. scapo breviore crasso unifloro, squamis approximatis, flore cernuo decandro.—*Willd. sp. pl.* 2. *p.* 573. *excl. syn. Moris.* *uniflora.*

Icon. *Pluk. alm. t.* 209. *f.* 2. *Catesb. car.* 1. *t.* 36. *bona.*

In similar situations: New York to Carolina. ♃. May, June. *v. v.* In general it appears in large clusters growing together; the whole plant is white.

4. M. scapo elongato rectissimo unifloro, squamis distantibus, flore erecto decandro.—*Mich. fl. amer.* 1. *p.* 266. *morisoniana.*

Icon. *Moris. hist.* 3. *s.* 12. *t.* 16. *f.* 5. *bona.*

In shady woods: Virginia and Carolina. ♃. June. *v. v.* The flower is larger than No. 3. frequently with twelve stamina.

370. DIONÆA. *Gen. pl.* 729.

muscipula. 1. Dionæa. *Willd. sp. pl.* 2. *p.* 574.
Icon. *Bot. mag.* 785. *Vent. malm.* 20.
In bogs of North Carolina, near Wilmington. ♃ July. Aug. *v. v.* This singular and interesting plant is known by the name of *Venus's Fly-trap*, and is fully described by the authors above quoted.

371. JUSSIEUA. *Gen. pl.* 741.

grandiflora. 1. J. erecta; foliis integerrimis, inferioribus spathulatis superioribus lanceolatis, floribus decandris, pedunculis calycibusque villosis.—*Mich. fl. amer.* 1. *p.* 267.
Icon. *Abbot. insect.* 1. *t.* . . . .
In swamps and ponds of Carolina and Georgia, near Savannah. ♃. July. *v. s.* Roots creeping; flowers large, yellow.

erecta. 2. J. erecta, glabra; foliis lanceolatis, floribus octandris sessilibus.—*Willd. sp. pl.* 2. *p.* 578.
Icon. *Sloan. jam.* 1. *t.* 11. *f.* 1.
In swamps of Virginia and Carolina, about the Dismal-swamp. ♃. Aug. *v. v.* Flowers yellow, smaller than the foregoing one.

subacaulis. 3. J. repens, glabra; foliis lineari-lanceolatis repando-dentatis, floribus solitariis octandris pedunculatis, filamentis alternis brevissimis, petalis obovatis.
On the banks of the Missouri. *M. Lewis.* ♃. June. *v. s.* Flowers small, yellow.

372. GYMNOCLADUS. *Gen. pl.* 1537.

canadensis. 1. G. foliis bipinnatis, foliolis ovalibus acuminatis pubescentibus.—*Willd. sp. pl.* 4. *p.* 816.
Guilandina dioica. *Sp. pl.* 546.
Icon. *Mich. fl. amer.* 1. *p.* 51. *Mich. arb.* 23. *Lam. illustr.* 823. *Duham. arb.* 1. *t.* 103.
In the forests of Canada, western parts of New York, Tennassee, Ohio, and Kentucky. ♄. May, June. *v. v.* A large tree, known by the name of *Kentucky Coffee Tree*, and among the Canadians *Chicot*. Flowers white. Seed-pods large, dark brown.

373. ACACIA. *Willd. sp. pl.* 4. *p.* 1049.

1. A. inermis; foliis bipinnatis, partialibus 8-jugis, propriis multijugis, glandula inter par infimum partialium, spicis globosis solitariis pedunculatis axillaribus, leguminibus lanceolatis rectis. *Willd. sp. pl.* 4. *p.* 1071. *brathyloba.*
Mimosa illinoensis. *Mich. fl. amer.* 2. *p.* 254.
In extensive natural meadows of Illinois and Kentucky. ♃. June, July. *v. v.* Flowers white, with only five stamina.

2. A. inermis; foliis bipinnatis, partialibus 12-jugis, propriis multijugis, glandula inter omnia paria partialium, spicis globosis pedunculatis solitariis axillaribus, leguminibus falcatis. *Willd. sp. pl.* 4. *p.* 1071. *glandulosa.*
Mimosa glandulosa. *Mich. fl. amer.* 2. *p.* 254.
Icon. *Vent. choix* 27.
On the banks of the rivers Tennassee and Mississippi. ♃. July. *v. v.* Flowers white, pentandrous.

374. SCHRANKIA. *Willd. sp. pl.* 4. *p.* 1041.

1. S. aculeata; foliis bipinnatis, partialibus 6-jugis, propriis multijugis, leguminibus acuminatis, caule pentagono. *Willd. sp. pl.* 4. *p.* 1043. *uncinata.*
Mimosa horridula. *Mich. fl. amer.* 2. *p.* 254.
Mimosa Intsia. *Walt. fl. car.* 252.
In old fields and meadows: Virginia to Florida. ♃. June, July. *v. v.* Flowers in globular spikes, red. It is known by the name of *Sensitive Briar.*

375. CASSIA. *Gen. pl.* 500.

1. C. glabra; foliis 3-jugis obovatis subretusis, exterioribus majoribus, glandula subulata inter inferiora, pedunculis pauciflоris axillaribus, leguminibus subtetragonis rectis.—*Willd. sp. pl.* 2. *p.* 515. *Tora.*
Icon. *Dill. elth. t.* 63. *f.* 73. *Mill. dict. t.* 82.
In sandy fields of Georgia, near Savannah. ☉. July. *v. v.* The flowers of all the species mentioned here are yellow.

2. C. glabra; foliis sub-5-jugis ovato-lanceolatis margine scabris, exterioribus majoribus, glandula basilari, pedunculis multifloris axillaribus et subpaniculato-termi- *occidentalis.*

nalibus, leguminibus linearibus falcatis. *Willd. sp. pl.* 2. *p.* 518.

Icon. *Comm. hort.* 1. *t.* 26. *Sloan. jam.* 2. *t.* 175. *f.* 3 & 4.

In old fields: Virginia to Carolina. ♃. July—Aug. *v. v.*

ligustrina. 3. C. tenuissime pubescens; foliis 7-jugis lanceolatis, omnibus minoribus, glandula basilari, pedunculis terminalibus subpaniculatis, leguminibus oblongis subfalcatis.—*Willd. sp. pl.* 2. *p.* 523.

Icon. *Dill. elth. t.* 259. *f.* 338. *Mart. cent.* 2.

In cultivated grounds: Virginia to Georgia. ♃. July, Aug. *v. v.*

linearis. 4. C. glabra; foliis 6-jugis ovali-lanceolatis angustatis acutissimis, glandula basilari, pedunculis subfoliosis axillaribus et terminalibus, leguminibus linearibus.—*Mich. fl. amer.* 1. *p.* 261.

In Carolina. *Michaux.* ♃. May, June.

marilandica. 5. C. glabriuscula; foliis 8-jugis lanceolato-oblongis cuspidato-cronatis subæqualibus, glandula petiolari obovata, racemis axillaribus et paniculato-terminalibus, leguminibus linearibus arcuatis glabris.—*Willd. sp. pl.* 2. *p.* 524.

Icon. *Dill. elth. t.* 260. *f.* 339. *Mart. cent.* 23.

In low gravelly soil, on the banks of rivers: New York to Carolina. ♃. June—Aug. *v. v.*

Chamæcrista. 6. C. glabriuscula; foliis multijugis linearibus, glandula petiolari subpedicellata, floribus subgeminis, pedicellis longis, petalis duobus maculatis, leguminibus pubescentibus.—*Willd. sp. pl.* 2. *p.* 528.

Icon. *Bot. mag.* 107. *Comm. hort.* 1. *t.* 37.

In cultivated grounds of Virginia and Carolina. ☉. July, Aug. *v. v.* The flowers large and handsome, with two purple spots at the bottom. There is a variety, the stem of which is covered with long brown hair.

fasciculata. 7. C. glabriuscula; foliis ad summum 9-jugis, glandula petiolari sessili submedia, fasciculis multifloris lateralibus, petalis staminibusque concoloribus, leguminibus glabris arcuatim adscendentibus.—*Mich. fl. amer.* 1. *p.* 262.

In dry fields: New York to Carolina. ☉. June—Aug. *v. v.* The flowers are smaller than the foregoing species.

8. C. patula, pubescens; foliis multijugis linearibus, glandula petiolari pedicellata, pedunculis brevibus supra axillaribus 2–3-floris, floribus pentandris.—*Willd. sp. pl.* 2. *p.* 529. *nictitans.*
Icon. *Pluk. alm. t.* 314. *f.* 5.
In sandy fields: New England to Carolina. ⊙. June—Aug. *v. v.* The leaves are in a slight degree sensitive.

9. C. foliis multijugis eglandulosis, caule procumbente. *Willd. sp. pl.* 2. *p.* 530. *procumbens.*
In dry fields of Virginia. ⊙. +. Flowers small.

376. PODALYRIA. *Lam. illustr. t.* 327.

1. P. glaberrima; foliis simplicibus perfoliatis suborbiculatis integerrimis, floribus axillaribus solitariis unifloris, leguminibus subglobosis.—*Mich. fl. amer.* 1. *p.* 263. *perfoliata.*
Crotalaria perfoliata. *Sp. pl.* 1003.
Sophora perfoliata. *Walt. fl. car.* 135.
Rafnia perfoliata. *Willd. sp. pl.* 3. *p.* 949.
Icon. *Dill. elth. t.* 102. *f.* 122.
In dry barren fields: Carolina and Georgia. ♃. July. *v. v.* Flowers small, yellow.

2. P. caule foliis calycibusque pubescentibus, foliis ternatis sessilibus, foliolis lanceolatis obtusis, stipulis setaceis minutis, floribus axillaribus solitariis pedicellatis.—*Mich. fl. amer.* 1. *p.* 263. *uniflora.*
Sophora lanceolata. *Walt. fl. car.* 135.
In Carolina and Georgia. *Michaux.* ♃. +. Flowers yellow.

3. P. caule foliis subtus et margine calycibusque pubescentibus, foliis ternatis subsessilibus, foliolis ovali-oblongis obtusis, stipulis linearibus, racemo terminali subspicato, calycibus subsemi-4-fidis.—*Mich. fl. amer.* 1. *p.* 264. *villosa.*
Sophora villosa. *Walt. fl. car.* 134.
In low sandy grounds: Virginia and North Carolina. ♃. June, July. *v. v.* Flowers yellow; resembles a lupine very much.

4. P. glabra; foliis ternatis brevissime petiolatis, foliolis oblongo-cuneatis obtusis, stipulis lanceolatis acutis petiolo duplo longioribus, racemis spicatis elongatis, leguminibus acuminatis.—*Mich. fl. amer.* 1. *p.* 264. *cærulea.*
P. australis. *Willd. sp. pl.* 2. *p.* 503.

Sophora australis. *Syst. veg.* 325.
Icon. *Bot. mag.* 509. *Vent. hort. cels* 46. *Trew pl. rar. t.* 14.
On the banks of rivers: Virginia and Carolina, particularly in the western districts. ♃. June, July. Flowers blue.

alba. 5. P. ramis divaricatis flexuosis glabris, foliis ternatis, foliolis oblongis obtusis glabriusculis, stipulatis petiolo brevioribus, racemo spicato terminali, leguminibus obovatis.—*Willd. sp. pl.* 2. *p.* 506.
Sophora alba. *Syst. veg.* 325.
Crotalaria alba. *Sp. pl.* 2. *p.* 1006.
Icon. *Bot. mag.* 1177. *Mart. cent.* 44.
In the western parts of Virginia and Carolina, on the banks. ♃. June, July. *v. v.* Flowers white.

mollis. 6. P. caule foliis calycibusque minutim pubescentibus, foliis ternatis, foliolis subrhomboideo-lanceolatis subfoliaceis lanceolatis, racemo spicato terminali, calycis dentibus acutis.—*Mich. fl. amer.* 2. *p.* 70.
In the county of Mecklenburg in Upper Carolina. *Michaux.* ♃. +.

tinctoria. 7. P. glaberrima, ramosissima, microphylla; foliis ternatis subsessilibus, foliolis cuneato-obovatis rotundato-obtusis, stipulis obsoletis oblongis acutis petiolo multoties brevioribus, racemis spicatis terminalibus, leguminibus ovatis longe-stipitatis.—*Willd. sp. pl.* 2. *p.* 503.
Sophora tinctoria. *Sp. pl.* 534.
Icon. *Bot. mag.* 1099. *Lam. illustr. t.* 327. *f.* 1.
In woods, on dry hills: Canada to Carolina. ♃. July, Aug. *v. v.* Flowers yellow; called *Wild Indigo.*

377. CERCIS. *Gen. pl.* 696.

canadensis. 1. C. foliis subrotundo-cordatis acuminatis, ad axillas nervorum villosis, stipulis minutis, leguminibus brevi-stipitatis.—*Willd. sp. pl.* 2. *p.* 508.
Icon. *Schmidt arb.* 21. *Mill. ic.* 2.

pubescens. β. C. foliis subrotundis acutis subtus pubescentibus.
On the banks of rivers: Canada to Virginia. β. In Georgia. ♄. May. *v. v.* A handsome tree, generally called *Judas-tree.* Flowers crimson.

378. VIRGILIA. *Lam. illustr. t.* 326.

V. foliis pinnatis, foliolis alternis ovatis brevi-acuminatis glabris, racemis elongatis pendulis, leguminibus petiolatis planis.—*Mich. arb. t.* *lutea.*

On the mountains between Georgia and Tennassee. ♄. June. *v. v. s. fl.; v. s. c. fl. et fr. in Herb. Lyon.*

A handsome tree, resembling *Cytisus Laburnum* very much. Its bark gives a beautiful yellow dye.

II. *DIGYNIA.*

379. HYDRANGEA. *Gen. pl.* 760.

1. H. foliis oblongo-ovatis basi obtusis acuminatis dentatis subtus glabris, cymis nudis. *vulgaris.*

H. arborescens. *Willd. sp. pl.* 2. *p.* 633.

Icon. *Bot. mag.* 437. *Lam. illustr. t.* 370. *f.* 1. *Mill. ic.* 251.

On the banks of rivulets, in shady situations: Pensylvania to Virginia. ♄. July, Aug. *v. v.* A shrub about five feet high; flowers white.

2. H. foliis lato-ovatis basi subcordatis acuminatis grosse dentatis subtus glabris, cymis subradiatis. *cordata.*

H. vulgaris. *Mich. fl. amer.* 1. *p.* 268.

On the mountains of Carolina. ♄. June, July. *v. v.*

This, though nearly allied to the preceding, is a very distinct species, and easily known from that by its more robust appearance and larger leaves.

3. H. foliis ovatis acuminatis dentatis subtus niveo-tomentosis: serraturis mucronatis, cymis radiatis.—*Mich. fl. amer.* 1. *p.* 268. *nivea.*

H. radiata. *Walt. fl. car.* 251.

Icon. *Lam. illustr. t.* 367. *f.* 2.

On the head-waters of the Savannah river; in Tennassee, &c. ♄. July, Aug. *v. v.* A very ornamental shrub.

4. H. foliis oblongis sinuato-lobatis dentatis subtus tomentosis, cymis radiatis thyrsoideo-paniculatis.—*Willd. sp. pl.* 2. *p.* 634. *quercifolia.*

H. radiata. *Smith ic. pict.* 12.

Icon. *Bartr. it. ed. germ. t. 7.*
On banks of rivers; Georgia and Florida. ♄. July, Aug. *v. v.* A handsome shrub; flowers in large clusters, white, changing to red.

380. SAXIFRAGA. *Gen. pl. 764.*

* *Foliis indivisis radicalibus; caule subnudo.*

Aizoon. 1. S. foliis radicalibus aggregatis spathulatis acutis, caule glabris cartilagineo-dentatis, caule simplici folioso pilosis, calycibus glabris.—*Willd. sp. pl.* [illegible]
Icon. *Jacq. austr. 5. t. 438. Fl. lap.* [illegible]
In Labrador and probably in Canada. *Colmaster.* ♃. June, July. *v. s. in Herb. Dickson.* Not above three inches high.

stellaris. 2. S. foliis cuneatis serratis margine pilosis, caule [illegible] simplici, petalis acutis, capsula supera.—*Willd. sp. pl. 2. p. 644.*
Icon. *Engl. bot. 167. Fl. dan. 23. Jacq. coll.* [illegible]
In Labrador and Canada. *Colmaster.* ♃. June, July. *v. s. in Herb. Dickson.* Flowers white.

serpyllifolia. 3. S. microphylla, erecta; foliis ovalibus glabris, caule unifloro oligophyllo, petalis obovatis.
On the north-west coast. *Nelson.* ♃. *v. s. in Herb. Banks.* Flowers large.

androsacea. 4. S. pubescens; foliis spathulato-linearibus petiolatis, caule folioso 1–2-floro.
S. androsacea. *Jacq. austr.* 389 ?
On the north-west coast. *Nelson.* ♃. *v. s. in Herb. Banks.* Flowers white, small.

bronchialis. 5. S. stolonifera; foliis imbricatis subulatis planis mucronatis spinoso-ciliatis, caule subnudo paniculato.—*Willd. sp. pl. 2. p. 644.*
On the north-west coast. *Nelson.* ♃. *v. s. in Herb. Banks.*

nivalis. 6. S. foliis subrotundo-cuneatis antice crenatis in petiolum decurrentibus, caule nudo simplici, floribus congestis racemosis.—*Willd. sp. pl. 2. p. 644.*
Icon. *Fl. lapp. t. 2. f. 5. Fl. dan. t. 12.*
In Labrador and Canada. ♃. May, June. *v. s. in Herb. Dickson.* Not above two inches high; flowers white.

virginiensis. 7. S. tota minutim pubescens; foliis ovalibus obtusis crenatis in petiolum decurrentibus, caule subaphyllo pa-

niculato, ramulis dichotomis, floribus subsessilibus.—*Mich. fl. amer.* 1. *p.* 269.
S. pilosa. *Herb. Banks.*
Icon. *Pluk. alm. t.* 222. *f.* 5.
On rocks and dry hills: New England to Virginia, and on the Carolina mountains. ♃. May, June. *v. v.* Variable in size; flowers white.

S. foliis reniformibus dentatis utrinque pilosis aveniis, caule nudo paniculato.—*Willd. sp. pl.* 2. *p.* 648. *Geum.*
Icon. *Lapeyr. t.* 14. *Magn. hort.* 88. *Moris. hist.* 3. *p.* 12. *t.* 9. *f.* 12.
On the north-west coast. *Nelson.* ♃. *v. s. in Herb. Banks.* Flowers small.

9. S. hirsutissima; foliis elongato-spathulatis acute dentatis, caulibus divaricato-dichotomis, paniculis capillaribus laxis, calyce reflexo, petalis inæqualibus. *Mich. fl. amer.* 1. *p.* 268. *leucanthemifolia.*
On high mountains of Carolina. *Michaux.* On the Peaks of Otter, Virginia. *P.* ♃. June. *v. v.* About eight inches high; flowers white, elegantly red and yellow punctated. This and the *S. sarmentosa* ought to form a separate genus.

10. S. pubescens; foliis oblongo-lanceolatis utrinque acutis obsolete denticulatis, caule nudo, panicula oblonga, ramis summitate fasciculifloris.—*Willd. sp. pl.* 2. *p.* 640. *pensylvanica.*
Icon. *Dill. elth. t.* 253. *f.* 328.
In wet meadows: New York to Virginia. ♃. June. *v. v.* Above a foot high; flowers small, yellowish-green.

11. S. glabriuscula; foliis oblongo-lanceolatis acutis erosodentatis, caule nudo, panicula oblonga, ramis divaricato-ramosissimis laxifloris, pedicellis filiformibus. *erosa.*
In stony rivulets on the high mountains of Virginia and Carolina. ♃. June, July. *v. v.* Resembles the foregoing one in some respects very much.

** *Foliis indivisis; caule folioso.*

12. S. cæspitosa; foliis caulinis oppositis imbricatis ovatis obtusis, summis ciliatis, floribus terminalibus solitariis sessilibus.—*Willd. sp. pl.* 2. *p.* 648. *oppositifolia.*
Icon. *Engl. bot.* 9. *Fl. dan.* 34. *Fl. lapp. t.* 2. *f.* 1.
In Newfoundland and Labrador. ♃. May. *v. v.*; *v. s. in Herb. Banks.* Flowers purple, large.

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aizoides. 13. S. decumbens, cæspitosa; foliis caulinis linearibus alternis dentato-ciliatis, panicula pauciflora, petalis longitudine calycis.—*Willd. sp. pl.* 2. *p.* 650.
Icon. *Engl. bot.* 39. *Fl. dan.* 72.
In Newfoundland and Labrador. ♃ [illegible]
Banks. Flowers yellow.

tigera. 14. S. pubescens; foliis radicalibus [illegible] acutis spinoso-ciliatis, caule folio[illegible]bus hispidis, flagellis setaceis lon[illegible] liorum.
On the north-west coast. *Nelson.* ♃ [illegible]
Banks. Flowers small, white. A v[illegible]

**** Foliis lobatis.*

rivularis. 15. S. erecta; foliis palmatis petiolatis; [illegible] caule paucifloro, radice fibrosa, ge[illegible]
Smith fl. brit. 2. *p.* 454.
Icon. *Fl. dan.* 118. *Fl. lapp.* 2. *f.* 7.
In Labrador. *Chateaux.* ♃. June [illegible]
Banks. Flowers white, small.

sibirica. 16. S. adscendens; foliis reniformibus palmatis pilosis, petiolis hirsutis, caulinis sessilibus, pedunculis longissimis filiformibus bifidis nudis.—*Willd. sp. pl.* 2. *p.* 653.
Labrador and Newfoundland. ♃. *v. s. in Herb. Banks.* Flowers white, large.

pectinata. 17. S. cæspitosa, multicaulis; foliis 3-lobatis, laciniis 3-fidis linearibus acutis glabris, nervo medio exarato, caule folioso racemifloro.
On the north-west coast. *Menzies.* ♃. *v. s. in Herb. Banks.* Resembles *S. petræa*; but the leaves are narrow, and the divisions divaricated.

cæspitosa. 18. S. foliis radicalibus aggregatis carnosis linearibus obtusis integris trifidisve subtus nervosis, caule erecto nudiusculo paucifloro, petalis calyce duplo longioribus.—*Willd. sp. pl.* 2. *p.* 650.
Icon. *Waldst. hung.* 88. *Engl. bot.* 794.
grœnlandica. β. S. foliis caulinis palmato-multifidis, laciniis acutis.—*Willd. l. c.*
Icon. *Ditt. elth.* 353. *f.* 3 & 6.
On the north-west coast. ♃. June. *v. s. in Herb. Banks.* Flowers pale yellow.

tricuspidata. 19. S. foliis radicalibus aggregatis cuneiformibus ciliatis

acute tridentatis, caule adscendente racemoso, petalis lanceolatis calyce triplo longioribus. *Willd. sp. pl.* 2. *p.* 657.
Icon. *Fl. dan.* 976.
On Hudson's Bay. ♃. June. *v. s. in Herb. Banks.* Flowers large, white, handsomely punctated.

381? TIARELLA. *Gen. pl.* 765.

1. T. foliis cordatis acute-lobatis dentatis, dentibus mucronatis, scapo racemoso.—*Willd. sp. pl.* 2. *p.* 659. *cordifolia.*
Icon. *Herm. parad.* 129. *Lam. illustr.* 373.
In shady woods of Canada, and on the high mountains of New York and Pensylvania. ♃. April, May. *v. v.* Flowers white.

2. T. foliis ovatis cordatis acutis brevi-lobatis dentatis, caulinis alternis distantibus, racemo filiformi subspicato, calycibus tubulosis. *Menziesii.*
On the north-west coast. *Menzies.* ♃. *v. s. in Herb. Banks.* More than a foot high, with five or six alternate leaves on the stem.

3. T. foliis ternatis, foliolis subrhomboideis serratis pilosis, racemis terminalibus, corymbulis florum alternis, calycibus campanulatis.—*Willd. sp. pl.* 2. *p.* 659. *trifoliata.*
On the north-west coast. *Menzies.* ♃. *v. s. in Herb. Banks.*

4. T. foliis biternatis, foliolis ovato-cordatis obliquis inciso-lobatis dentatis, caule folioso, panicula terminali divaricato-spiciflora. *Vent. malm.* 54. *biternata.*
On the mountains of South Carolina. ♃. May. *v. v.* This plant resembles *Spiræa Aruncus* in habit; flowers yellowish-white. The specimens I had an opportunity to examine were destitute of petals; though they are so distinctly described by Ventenat. It is however probable that some individuals may be petaliferous, while others are apetalous.

382. MITELLA. *Gen. pl.* 766.

1. M. foliis sublobato-acutangulis dentatis, caule erecto superne opposite diphyllo.—*Willd. sp. pl.* 2. *p.* 659. *diphylla.*
Icon. *Rob. ic.* 80. *Schkuhr handb.* 1. *t.* 120. *Lam. illustr. t.* 373. *f.* 1.
In shady places, among rocks, near springs. ♃. May.

v. v. Flowers white, which is the colour of all the following species.

cordifolia. 2. M. foliis orbiculato-reniformibus subduplicato-crenatis lucidis, scapo setaceo aphyllo. *Mich. fl. amer.* 1. *p.* 270. *Lam. encycl.* 4. *p.* 185.
Icon. *Lam. illustr. t.* 373. *f.* 3.
In Canada. *Michaux.* On high mountains of New York and Pensylvania. ♃. May, June. *v. v.*

reniformis. 3. M. foliis reniformibus repandis ciliatis, scapo nudo.—*Lam. encycl.* 4. *p.* 185.
M. nuda. *Willd. sp. pl.* 2. *p.* 660.
Icon. *Lam. illustr. t.* 373. *f.* 2. *Gmel. sib.* 4. *t.* 68. *f.* 2.
On the mountains of New Hampshire and Vermont, and probably in Canada. ♃. June. *v. v.*

prostrata. 4. M. radice repente, caulibus prostratis, foliis alternis rotundato-cordatis subacutis obtuse sublobatis. *Mich. fl. amer.* 1. *p.* 270.
In the most southern parts of Canada. *Michaux.* On the mountains of Virginia, near the Sweet-springs. ♃. May, June. *v. v.*

grandiflora. 5. M. hirsutissima; foliis rotundato-cordatis obtuse-lobatis dentatis, scapo folio uno alterove instructo, floribus pedicellatis, calycibus campanulatis.
On the north-west coast. *Menzies.* ♃. *v. s. in Herb. Banks.* The flowers are more than four times the size of the other species.

383. SAPONARIA. *Gen. pl.* 769.

officinalis. 1. S. calycibus cylindricis, foliis ovato-anceolatis. *Willd. sp. pl.* 2. *p.* 667.
Icon. *Fl. dan.* 543. *Engl. bot.* 1060.
Among rubbish, near buildings and cultivated grounds; sometimes in gravel-pits and on dry hills; probably introduced from Europe. ♃. July, Aug. *v. v.* Flowers white, frequently semi-double.

384. DIANTHUS. *Gen. pl.* 770.

Armeria. 1. D. floribus aggregatis fasciculatis, squamis calycinis lanceolatis villosis tubum æquantibus. *Willd. sp. pl.* 2. *p.* 673.
Icon. *Fl. dan.* 230. *Engl. bot.* 317.

In sandy fields and pine-woods: New Jersey, near Cooper's Ferry. ☉. July. *v. v.* Flowers small, rose-coloured.

2. D. floribus aggregatis, pedunculis longis, squamis tubo dimidio minoribus. *Walt. fl. car.* 140. *carolinianus.*
In Carolina. *Walter.* +.

385. SCLERANTHUS. *Gen. pl.* 767.

1. S. calycibus fructus patulis acutis, caulibus patentibus. *Smith fl. brit.* 2. *p.* 458. *Willd. sp. pl.* 2. *p.* 660. *annuus.*
Icon. *Fl. dan.* 504. *Engl. bot.* 351.
In dry sandy fields, on the shores of the Delaware, New Jersey opposite Philadelphia. ☉. June, July. *v. v.*

III. *TRIGYNIA.*

386. CUCUBALUS. *Gen. pl.* 771.

1. C. glaber, glaucus, decumbens; foliis oblongo-ovalibus acutis enerviis, calycibus inflato-membranaceis venosis. *Mich. fl. amer.* 1. *p.* 271. *Willd. sp. pl.* 2. *p.* 684. *Behen.*
Silene inflata, *Smith fl. brit.* 467.
Icon. *Fl. dan.* 914. *Engl. bot.* 164.
In cultivated grounds, near Quebec, Canada. *Michaux.* ♃. July. *v. v.* Flowers white.

2. C. pubescens, erectus; foliis quaterno-verticillatis ovali-lanceolatis longissime acuminatis.—*Willd. sp. pl.* 2. *p.* 686. *stellatus.*
Icon. *Bot. mag.* 1107.
In hilly and shady woods: New England to Virginia. ♃. July, Aug. *v. v.* Flowers white; the petals are without a corona.

387. SILENE. *Gen. pl.* 772.

1. S. hirsuta; foliis cuneato-oblongis, summis linearibus, petalis subrotundis integerrimis, calycibus fructiferis erectis subspicatim alternis.—*Willd. sp. pl.* 2. *p.* 691. *quinquevulnera.*
Icon. *Rob. ic.* 183. *Engl. bot.* 86.
On the sea-coast of Carolina; near Charlestown. ☉. June, July. *v. v.* Flowers small, crimson.

pensylvanica. 2. S. viscido-pubescens; foliis cuneatis, caulinis lanceolatis, cauliculis in summitate pauciflоris, petalis obtusissimis leviter emarginatis subcrenatis. *Mich. fl. amer.* 1. *p.* 272.
S. virginica. *Willd. sp. pl.* 2. *p.* 702.
S. caroliniana. *Walt. fl. car.* 142.
In dry sandy woods, and on rocks: New York to Virginia. ♃. May, June. *v. v.* Flowers purple, very handsome.

virginica. 3. S. decumbens, tota viscoso-pubescens; foliis oblongis margine asperiusculis, panicula dichotoma, petalis bifidis, genitalibus exertis. *Mich. fl. amer.* 1. *p.* 272.
S. Catesbæi. *Walt. fl. car.* 141. *Willd. sp. pl.* 2. *p.* 706.
Icon. *Catesb. car.* 2. *t.* 4. *Plük. alm. t.* 203. *f.* 1.
In the western parts of Virginia and Carolina, and in the Illinois country. ♃. June, July. *v. v.* A beautiful species; flowers dark crimson.

ovata. 4. S. foliis ovato-lanceolatis acuminatis glabriusculis, racemo terminali composito, calycibus ovatis, genitalibus exertis, caule simplici.
Cucubalus polypetalus. *Walt. fl. car.* 141?
In the western part of Georgia and Carolina. ♃. July. *v. s. in Herb. Banks.* Flowers white or pale red.

antirrhina. 5. S. foliis lanceolatis subciliatis, pedunculis trifidis, petalis emarginatis, calycibus ovatis. *Willd. sp. pl.* 2. *p.* 702.
Icon. *Dill. elth. t.* 313. *f.* 403.
In old fields and on the banks of rivers: Pensylvania to Carolina. ⊙. June, July. *v. v.* Flowers small, white or greenish.

nocturna. 6. S. floribus spicatis alternis sessilibus secundis, petalis bifidis. *Willd. sp. pl.* 2. *p.* 692.
Icon. *Dill. elth. t.* 310. *f.* 400.
On the banks of the Potowmac, near Harper's Ferry, Virginia. ⊙. ♂. June. *v. v.* Flowers white.

acaulis. 7. S. acaulis depressa; foliis linearibus carinatis, pedunculis terminalibus solitariis erectis unifloris, petalis emarginatis.—*Willd. sp. pl.* 2. *p.* 709.
Icon. *Fl. dan. t.* 21. *Dill. elth. t.* 167. *f.* 206.
In Labrador. ♃. June, July. *v. s. in Herb. Lambert.* Flowers rose-coloured.

388. STELLARIA. *Gen. pl. 773.*

1. S. pubescens; foliis sessilibus ovatis ciliatis, pedicellis erectis, petalis calyce longioribus.—*Mich. fl. amer.* 1. *p.* 273. *pubera.*
In shady woods, on rich soil: Pensylvania to Carolina. ♃. May. *v. v.* Flowers large, white, which is the colour of the whole genus.

2. S. foliis ovatis glabris, caulibus procumbentibus linea laterali pilosa alterna. *Smith fl. brit.* 2. *p.* 473. *media.*
Alsine media. *Sp. pl.* 389.
Icon. *Engl. bot.* 573. *Fl. dan.* 438 & 525.
In cultivated grounds ✕ common. ☉. April—Sept. *v. v.* A common weed, known by the name of *Chickweed.* The number of stamina is variable, three, five, or ten.

3. S. cæspitosa; foliis subulatis congestis, ramis bipartitis, petalis emarginatis, calycibus striatis.—*Willd. sp. pl.* 2. *p.* 715. *biflora.*
Icon. *Fl. dan.* 12. *Swartz. nov. act. holm.* 1788. *t.* 1. *f.* 1.
In Labrador and Canada. ♃. May, June. *v. s. in Herb. Dickson.* This is rather an *Arenaria* than a *Stellaria.*

389. ARENARIA. *Gen. pl.* 774.

* *Foliis oblongis.*

1. A. caule dichotomo, foliis ovatis acutis carnosis, calycibus acuminatis.—*Willd. sp. pl.* 2 *p.* 716. *peploides.*
Icon. *Gmel. sib.* 4. *t.* 64. *Loes. pruss. t.* 2.
In Labrador. ♃. June, July. *v. s. in Herb. Banks.*

2. A. caule filiformi simplici, foliis ovatis obtusis subtriplinerviis, pedunculis lateralibus solitariis elongatis bifidis, pedicello altero medio bibracteato, corollis calyce longioribus.—*Willd. sp. pl.* 2. *p.* 718. *lateriflora.*
About Hudson's Bay. In the state of New York. *Dr. Martin.* ♃. July. *v. s. in Herb. Banks.*

3. A. caule dichotomo diffuso, foliis ovatis acutis subciliatis, calycibus acutis substriatis, petalis calyce brevioribus.—*Willd. sp. pl.* 2. *p.* 720. *serpyllifolia.*
Icon. *Fl. dan.* 977.
In cultivated grounds and on road-sides: New York to Carolina. ☉. May—Aug. *v. v.*

4. A. caule dichotomo diffuso, foliis ovalibus subacutis, pe- *thymifolia.*

dunculis alternis axillaribus solitariis elongatis, calycibus acutis, petalis longitudine calycis.
On the sea-shore of Labrador. ☉. *v. s. in Herb. Banks.*

** *Foliis subulato-linearibus.*

macrocarpa. 5. A. cæspitosa; foliis congestis subulato-linearibus planis margine ciliatis, pedunculis terminalibus unifloris foliosis, calycis foliolis linearibus, petalis ovatis calyce duplo longioribus, capsulis elongato-oblongis calyce triplo longioribus.
On the north-west coast of America. *Nelson.* ♃. *v. s. in Herb. Banks.* This approaches near to *A. grandiflora*, but differs in the long capsule and the linear leaves of the calyx materially.

patula. 6. A. pubescens; caulibus filiformibus paniculatis multifloris, foliis setaceo-subulatis patentibus, petalis subemarginatis calyce acutissimo et striato paulo longioribus.—*Mich. fl. amer.* 1. *p.* 273.
On rocks, near Knoxville, Kentucky. *Michaux.* ♃. +. Resembles *A. tenuifolia.*

squarrosa. 7. A. cæspitosa; foliis imis squarroso-imbricatis canaliculatis glabris, caulículis simplicissimis oligophyllis, floribus terminalibus paucis erectis, petalis calyce subrotundo multo majoribus. *Mich. fl. amer.* 1. *p.* 273.
A. imbricata. *Herb. Banks.*
A. caroliniana. *Walt. fl. car.* 141.
In sandy pine-barrens: New Jersey and Carolina. ♃. July, Aug. *v. v.* Resembles *A. saxatilis.*

stricta. 8. A. glabra, erecta, multicaulis; foliis subulato-linearibus erectis, paniculâ rariflora, petalis calyce ovali-lanceolato conspicue striato multo longioribus. *Mich. fl. amer.* 1. *p.* 274.
On rocks of Canada, New England, and on the high mountains of Carolina. ♃. May, June. *v. v.; v. s. in Herb. Lyon. specimen carolinianum.* Resembles *A. striata*, but is a larger and more upright plant.

glabra. 9. A. glaberrima, erectiuscula, filiformi-multicaulis; foliis subulato-linearibus planis patulis, pedicellis unifloris elongatis divaricatis, calycis foliolis ovalibus obtusiusculis lævibus petalis brevioribus. *Mich. fl. amer.* 1. *p.* 274.
Stellaria uniflora. *Walt. fl. car.* 141.
On rocks in North Carolina. *Michaux.* ♃. +.

juniperina. 10. A. subpubescens, erecta, multicaulis, foliis subulatis

subtriquetris pungentibus, panicula terminali dichotome-multiflora, calycis foliolis ovato-lanceolatis striatis mucronatis petalis vix duplo brevioribus.—*Willd. sp. pl. 2. p. 725.*

Icon. *Smith ic. ined.* 1. *t.* 35.

In Labrador and Newfoundland. ♃. *v. s. in Herb. Banks.*

11. A. pubescens, cæspitoso-multicaulis; foliis setaceis, caule *laricifolia.*
liculis 1—3-floris erectis, calycis foliolis linearibus subhirsutis petalis duplo brevioribus.—*Willd. sp. pl. 2. p. 726.*

Icon. *Jacq. austr.* 3. *t.* 272.

On the north-west coast of America. *Menzies.* ♃. *v. s. in Herb. Banks.*

12. A. glabriuscula, cæspitosa; cauliculis stricto-erectis, *fasciculata.*
foliis subulatis pungentibus striatis, floribus dense-fasciculatis, calycibus subulatis striatis, petalis brevissimis.—*Willd. sp. pl. 2. p. 727.*

Icon. *Jacq. austr.* 2. *t.* 182.

In Canada. ⊙. *v. s. in Herb. Lambert. specimen Hort. Kew.*

13. A. glabra, humifusa; foliis linearibus carnosis interno- *canadensis.*
diis multo longioribus, stipulis membranaceo-connatis vaginantibus, staminibus quinque, capsulis globosis. —*Pers. syn.* 1. *p.* 504.

A. rubra β. *Mich. fl. amer.* 1. *p.* 274.

A. marina. *Smith fl. brit.* 2. *p.* 480?

On the sea-coast, in salt-marshes: Canada to Carolina. ⊙. June, July. *v. v.* Flowers pale-red.

IV. *TETRAGYNIA.*

390. MICROPETALUM. *Pers. syn.* 1. *p.* 509.

Spergulastrum. *Mich. fl. amer.* 1. *p.* 275.

1. M. dense pubescens; foliis lanceolatis in petiolum an- *lanuginosum.*
gustatis, pedunculis subsolitariis elongatis demum reflexis, floribus apetalis.—*Pers. l. c. Mich. l. c.*

In the mountains of Virginia and Carolina. ♃. June, July. *v. v.*

lanceolatum. 2. M. glabrum; foliis lanceolatis utrinque angustatis, floribus paniculatis, petalis ovatis brevissimis.—*Pers. l. c. Mich. l. c.*

On moist rocks: Canada to Pensylvania. ♃. July. *v. v.*

gramineum. 3. M. glaberrimum; foliis linearibus erectis, panicula terminali laxa, pedicellis filiformibus, petalis lanceolatis longitudine calycis.—*Pers. l. c. Mich. l. c.*

Near springs and shady rocks: New York to Virginia. ♃. June, July. *v. v.*

A. fasciculata probably belongs to this genus.

V. *PENTAGYNIA.*

391. SPERGULA. *Gen. pl.* 798.

arvensis. 1. S. foliis filiformibus verticillatis, panicula dichotoma, pedunculis fructiferis reflexis, seminibus reniformibus. *Willd. sp. pl.* 2. *p.* 848.

Icon. *Fl. dan.* 1033. *Engl. bot.* 1535.

In sandy fields: Pensylvania, New Jersey, &c. ⊙. June, July. *v. v.*

saginoides. 2. S. foliis oppositis subulatis nudis, pedunculis solitariis longissimis glabris. *Smith fl. brit.* 2. *p.* 504.

Icon. *Engl. bot.* 2105.

In sandy fields: Carolina. ⊙. June, July. *v. s. in Herb. Enslen.*

392. CERASTIUM. *Gen. pl.* 797.

vulgatum. 1. C. hirsutum, viscidum, cæspitosum; foliis ovatis, petalis oblongis calyce subæqualibus, floribus pedunculo longioribus. *Smith fl. brit.* 2. *p.* 496. *Willd. sp. pl.* 2. *p.* 811.

Icon. *Engl. bot.* 789. *Vaill. par.* t. 30. *f.* 3.

In dry fields and among rocks; frequent: New England to Pensylvania. ⊙. April—June. *v. v.* The flowers of the whole genus are white.

viscosum. 2. C. hirsutum, viscosum, diffusum; foliis lanceolato-oblongis obtusiusculis, petalis obovatis calyce vix longioribus, floribus pedunculo brevioribus.—*Willd. sp. pl.* 2. *p.* 812.

Icon. *Engl. bot.* 790. *Vaill. par. t.* 30. *f.* 1.
In pastures and on old walls: Canada to Carolina. ♃. May—Sept. *v. v.*

2. C. hirsutum, viscidum; foliis ovato-oblongis acutis, petalis calyce brevioribus emarginatis, pedunculis calyce longioribus, floribus pentandris.—*Willd. sp. pl.* 2. *p.* 812. ☉ *semidecandrum.*
Icon. *Engl. bot.* 1630. *Vaill. par. t.* 30. *f.* 2.
On dry, barren, and sunny hills; frequent: Pensylvania and Virginia. ☉. May, June. *v. v.*

4. C. pubescens, cæspitosum; foliis lineari-lanceolatis obtusis basi ciliatis internodiis brevioribus, petalis obcordatis calyce duplo longioribus, calycis foliolis obtusis. —*Willd. sp. pl.* 2. *p.* 813. *arvense.*
Icon. *Fl. dan.* 626. *Engl. bot.* 93. *Vaill. par. t.* 30. *f.* 4.
On dry hills and rocks; frequent: Pensylvania, &c. ♃. May—Aug. *v. v.* Flowers large.

5. C. tenuissime pubescens, cæspitosum; foliis angusto-linearibus internodiis longioribus, petalis obovatis emarginatis calyce acuto subtriplo longioribus. *tenuifolium.*
On the banks of Schuylkill and Delaware, Pensylvania. ♃. May, June. *v. v.* Resembles the foregoing one very much.

6. C. hirsutum; foliis linearibus internodiis longioribus divaricatis, pedunculis terminalibus elongatis bis 3-chotomis, bracteis oppositis ovatis, petalis emarginatis calyce acuto duplo longioribus, capsulis subglobosis. *elongatum.*
On the plains of Columbia river. *M. Lewis.* ♃. April. *v. s. in Herb. Lewis.*

393. AGROSTEMMA. *Gen. pl.* 795.

1. A. hirsuta; calyce corollam superante, petalis integris nudis. *Willd. sp. pl.* 2. *p.* 805. *Githago.*
Icon. *Fl. dan.* 576. *Engl. bot.* 741.
Common *Cockle* is frequently found among the grain, but is not indigenous in America. ☉. June, July. *v. v.*

394. LYCHNIS. *Gen. pl.* 796.

1. L. glabra; floribus densis umbellato-capitatis, petalis bifidis, floribus tetragynis.—*Willd. sp. pl.* 2. *p.* 809. *alpina.*
Icon. *Fl. dan.* 65. *Hall. helv.* 1. *t.* 7.

In Labrador and Hudson's Bay. ♃. *v. s. in Herb. Dickson. nec non Banks.* About a span high; flowers red, with membranaceous bracteas.

395. OXALIS. *Gen. pl.* 794. Wood-Sorrel.

Acetosella. 1. O. acaulis; scapo unifloro foliis longiore, foliis ternatis dilatato-obcordatis, lobis rotundatis, stylis longitudine staminum interiorum, radice dentata.—*Willd. sp. pl.* 2 *p.* 780.

Icon. *Fl. dan.* 980. *Engl. bot.* 762.

In shady woods: Canada. *Michaux.* On the high mountains of Pensylvania and New York, round the roots of old trees. *P.* ♃. May. *v. v.* Flowers large, white, with red veins and yellow at the bottom: the petals are cuneate, emarginate, and narrower than the European species.

violacea. 2. O. acaulis; scapo umbellifero, pedicellis subpubescentibus, floribus nutantibus, foliis ternatis obcordatis glabris, calycis laciniis apice callosis, stylis staminibus exterioribus brevioribus.—*Willd. sp. pl.* 2. *p.* 786.

Icon. *Jacq. oxal. t.* 80. *f.* 2. *Jacq. hort.* 2. *t.* 180. *Pluk. alm. t.* 102 *f* 4.

In shady woods, on the side of hills, in fertile soil: New England to Carolina. ♃. April, May. *v. v.* Flowers pink-coloured.

Lyoni. 3. O. tota sericeo-pilosa; caule ramoso decumbente, pedunculis bifloris petiolis longioribus, foliis ternatis bilobo-obcordatis, laciniis rotundatis divaricatis, petalis cuneatis, siliquis tomentosis calyce lanceolato duplo longioribus.

On Cumberland Island, Georgia. *Lyon.* ♃. June. *v. s. in Herb. Lyon.* Flowers yellow.

corniculata. 4. O. tota pubescens; caule ramoso diffuso seu procumbente, pedunculis umbellatis petiolis brevioribus, foliis ternatis obcordatis, petalis obcuneatis apice erosis, stylis longitudine staminum interiorum.—*Willd. sp. pl.* 2. *p.* 800.

Icon. *Jacq. oxal. t.* 5. *Salisb. in act. soc. linn. lond.* 2. *t.* 23. *f.* 5. *O. pusilla.*

In cultivated grounds: Canada to Carolina. ☉. ♃. May —Oct. *v. v.* Flowers yellow; the American plant has larger flowers than the European; in every other respect they are very much alike.

5. O. tota hirsuta; caule erecto ramoso, pedunculis umbelliferis petiolis brevioribus, foliis ternatis obcordatis, petalis obovatis, stylis longitudine staminum interiorum.—*Willd. sp. pl.* 2. *p.* 800. *stricta.*
O. ambigua. *Salisb. in act. soc. linn. lond.* 2. *t.* 23. *f.* 4.
O. corniculata. *Fl. dan. t.* 873.
Icon. *Jacq. oxal. t.* 4. *Dill. elth. t.* 221. *f.* 4.
In cultivated grounds: Pensylvania to Virginia. ♃. June, July. *v. v.* Flowers yellow.

6. O. hirsuta; caule folioso erecto hirto, pedunculis umbelliferis foliis longioribus, foliis ternatis obcordatis, corollis emarginatis. *Willd. sp. pl.* 2. *p.* 799. *Dillenii.*
Icon. *Dill. elth. t.* 221.
In Carolina. *Dillenius.* ⊙. +. Flowers yellow, larger than the preceding one, with which it generally is confounded.

396. PENTHORUM. *Gen. pl.* 790.

1. P. caule ramoso, angulato; foliis lanceolatis subsessilibus inæqualiter dense-serratis, spicis terminalibus paniculatis alternis cymosisque, seminibus scrobiformibus.—*Willd. sp. pl.* 2. *p.* 770. *sedoides.*
Icon. *Act. ups.* 1744. *t.* 2.
In ditches and small ponds: New England to Carolina. ♃. June, July. *v. v.* Flowers white or pale yellow. In the Herbarium of A. B. Lambert, Esq. is a second species, brought by Sir George Staunton from China, which I distinguish by the following characters: *Penthorum chinense,* caule simplici tereti, foliis elongato-lineari-lanceolatis subpetiolatis inæqualiter serratis, spicis cymosis terminalibus, seminibus ovatis corneis.

397. SEDUM. *Gen. pl.* 789.

1. S. erectum, glabrum, 1–2-unciale; foliis alternis teretiusculis oblongis, floribus ad summitatem pauciioribus alternis subpedicellatis. *Mich. fl. amer.* 1. *p.* 276. *pusillum.*
In North Carolina, on flat rocks. *Michaux.* On the east banks of the Shanadoah River, Virginia. *P.* ♃. June, July. *v. v.* Flowers white, with eight stamina.

2. S. glabrum; caulibus assurgentibus, foliis sparsis planiuscule linearibus obtusis, cyma polystachya, floribus sessilibus octandris.—*Mich. fl. amer.* 1. *p.* 277. *pulchellum.*

On rocks near Knoxville. *Michaux.* ♃. July. +. Flowers purple. Resembles *S. reflexum.*

stenopetalum. 3. S. glabrum; caulibus assurgentibus, foliis sparsis congestis adnato-sessilibus compresso-subulatis acutis, cyma terminali trichotoma dichotoma, spicis recurvatis, floribus sessilibus 10-andris, petalis linearibus calyce multo longioribus.

On rocks on the banks of Clarck's river and Kooskoosky. ♃. June, July. *v. s. in Herb. Lewis.* Flowers golden yellow; has some affinity with *S. reflexum.*

ternatum. 4. S. pumilum, repens; foliis planis rotundato-spathulatis ternis, cyma subtristachya, floribus sessilibus 8-andris, centro 10-andro.—*Mich. fl. amer.* 1. *p.* 277.

S. saxatilis floribus albis &c. *Clayt. virg.* 891.

S. americanum. *Herb. Banks.*

On rocks in the western parts of Pensylvania, Virginia, and Carolina. ♃. May, June. *v. v.* An elegant little species; flowers white.

telephioides. 5. S. foliis planis ovalibus utrinque subacutis dentatis, corymbo multiplici fasciculato. *Mich. fl. amer.* 1. *p.* 277.

On rocks on high mountains: Virginia and Carolina. ♃. June, July. *v. v.* Flowers pale purple.

VI. *DECAGYNIA.*

398. PHYTOLACCA. *Gen. pl.* 800.

decandra. 1. P. foliis ovatis utrinque acutis, floribus decandris decagynis.—*Willd. sp. pl.* 1. *p.* 822.

Icon. *Dill. elth. t.* 339. *f.* 399. *Pluk. alm. t.* 225. *f.* 3.

In open woods and old fields: New England to Carolina. ♃. June, July. *v. v.* Flowers white, on red pedunculs; berries black, and give an elegant purple colour to any liquor. The young sprouts in spring give a fine vegetable for the table, resembling asparagus. The plant is known by the name of *Poke-weed.*

XI. ICOSANDRIA.

I. MONOGYNIA.

399. CACTUS. *Cal.* superus, monophyllus, imbricatus. *Cor.* multiplex. *Stigm.* multifidum. *Bacca* 1-locularis, polysperma.

400. BARTONIA. *Cal.* superus, 5-fidus. *Cor.* polypetala. *Caps.* cylindrica, 1-locularis, apice operculatim 3—5-valvis. *Recept.* 3—5. parietalia, duplici serie seminifera.

401. DECUMARIA. *Cal.* superus, 8—12-fidus. *Pet.* 8—12. *Caps.* 7—10-locularis, polysperma.

402. PHILADELPHUS. *Cal.* superus, turbinatus, 4–5-fidus. *Pet.* 4–5. *Styl.* 4-fidus. *Caps.* 4–5-locularis, polysperma.

403. CHRYSOBALANUS. *Cal.* inferus, campanulatus, 5-fidus. *Pet.* 5. *Stylus* lateralis. *Drupæ* nux ovata, 5-falcata, 5-valvis, 1-sperma.

404. PRUNUS. *Cal.* inferus, campanulatus, 5-fidus, deciduus. *Pet.* 5. *Stylus* terminalis. *Drupæ* nux suturis prominulis.

405. TIGAREA. *Cal.* inferus, campanulatus, 5-partitus. *Pet.* 5. *Caps.* folliculiformis, sutura laterali dehiscens. *Sem.* unicum.

406. LYTHRUM. *Cal.* inferus, tubulosus, 12-dentatus, basi æquali. *Pet.* 6. æqualia. *Caps.* 2-locularis, polysperma.

407. CUPHEA. *Cal.* inferus, tubulosus, 6—12-dentatus, basi hinc gibbus. *Pet.* 6. inæqualia. *Caps.* 1-locularis, hinc cum calyce longitudinaliter dehiscens.

II. DI-PENTAGYNIA.

408. FOTHERGILLA. *Cal.* inferus, truncatus, obsolete crenatus. *Cor.* 0. *Germen* bifidum. *Styli* 2. *Caps.* 2-locularis. *Sem.* solitaria, ossea.

409. AGRIMONIA. *Cal.* inferus, 5-dentatus, altero obvallatus. *Pet.* 5. *Styli* 2. *Sem.* 2. in fundo calycis.

410. CRATÆGUS. *Cal.* superus, 5-fidus. *Pet.* 5. *Styli* 1—5. *Bacca* seu *Pomum* 2—5-spermum. *Sem.* ossea.

411. PYRUS. *Cal.* superus, 5-fidus. *Pet.* 5. *Styli* 5. *Pomum* 5-loculare, polyspermum. *Sem.* cartilaginea.

412. SORBUS. *Cal.* superus, 5-fidus. *Pet.* 5. *Styli* 3. *Bacca* 3-sperma. *Sem.* cartilaginea.

413. SPIRÆA. *Cal.* inferus, 5-fidus. *Pet.* 5. *Styli* 5. *Caps.* polyspermæ.

III. POLYGYNIA.

414. ROSA. *Cal.* urceolatus, collo coarctatus, 5-fidus. *Pet.* 5. *Sem.* plurima, hispida, calycis interioris lateri affixa.

415. RUBUS. *Cal.* patens, 5-fidus. *Pet.* 5. *Bacca* composita, acinis monospermis.

416. DALIBARDA. *Cal.* patens, 5-fidus. *Pet.* 5. *Pistilla* 5—8. *Styli* longi, filiformes, decidui. *Sem.* exsucca.

417. DRYAS. *Cal.* patens, 8-fidus. *Pet.* 8. *Sem.* plurima: arista lanata.

418. GEUM. *Cal.* 10-fidus. *Pet.* 5. *Sem.* aristata: arista plerumque geniculata.

419. POTENTILLA. *Cal.* 10-fidus. *Pet.* 5. *Sem.* subrotunda, receptaculo parum exsucco affixa.

420. COMARUM. *Cal.* 10-fidus. *Pet.* 5. calyce minora. *Recept* semirum ovatum, spongiosum, persistens.

421. FRAGARIA. *Cal.* 10-fidus. *Pet.* 5. *Recept.* seminum ovatum, baccatum, deciduum.

422. CALYCANTHUS. *Cal.* 1-phyllus, urceolatus, squarrosus, foliolis coloratis. *Cor.* calycina. *Styli* plurimi. *Stigm.* glandulosa. *Sem.* plurima, caudata, intra calycem succulentum.

I. *MONOGYNIA.*

399. CACTUS. *Gen. pl.* 838.

1. C. articulato-prolifer; articulis compressis ovatis, spinis setaceis. — *Willd. sp. pl.* 2. *p.* 943. *opuntia.*
   Icon. *Knorr thes.* 1. *t. F. a.*
   In pine-barrens and sandy fields: New Jersey to Carolina. ♄. June, July. *v. v.* Flowers large, yellow; berries red, eatable, known by the name of *Prickly Pears.*
   There are two or three more species growing on the Missouri; but having had no opportunity to see them myself, I only mention it here, to draw the attention of the botanists in those regions towards them.

400. BARTONIA. *Sims in bot. mag.* 1487.

1. B. germine folioso, seminibus nudis. *ornata.*
   B. decapetala. *Sims l. c.*
   On chalky soil and arid volcanic grounds, on the borders of the Missouri. *M. Lewis.* ☌. July, Aug. *v. s. in Herb. Lewis.*
   Radix biennis, fibrosa. *Caulis* ramosus, teres. *Rami* patentes, scabri. *Folia* alterna, semi-amplexicaulia, oblonga, basi dilatata, superne sensim angustiora, inciso dentata seu subpinnatifida, utrinque scabra, glaucescentia. *Flores* magni, albi, ex axillis superioribus, solitarii, pedunculati. *Pedunculi* foliosi, folio breviores. *Calyx* superus campanulatus, 5-partitus; laciniis ovatis, longissime acuminatis, petalis paulo brevioribus. *Petala* 10. alba, lanceolato-oblonga, acuta, unguiculata. *Stamina* numerosa, filiformia, petalis breviora. *Antheræ* luteæ, oblongæ, biloculares. *Germen* inferum, oblongum, foliis pinnatifidis calyce brevioribus ornatum. *Stylus* staminibus longior, filiformis. *Stigma* simplex. *Capsula* cylindrica, calyce coronata, apice operculatim 5-valvis. *Semina* oblonga, plana.
   This beautiful plant, whose large white flowers open during the night and spread a most agreeable odour, was discovered in the year 1804, on the white bluffs near the Maha village, by the late M. Lewis, Esquire. In 1807, I made a drawing and description of it, for

the publication of that gentleman's Tour across the Continent of America to the Pacific Ocean. In 1812, Mr. Nuttall, on his return from a journey in those parts, brought seeds and specimens of this and another species to London; and having by those means the living plants, I agreed with Mr. Nuttall to dedicate it to the memory of Dr. B. S. Barton, of Philadelphia, our mutual friend; under which name it was published in the Botanical Magazine. Since that publication, Mr. Nuttall, whose name has occurred in several pages of this work, with all the credit due to his valuable discoveries, has found himself rather offended at not having given him all the exclusive credit of discovery, which with justice and propriety to the memory of M. Lewis, Esq. I never could do.

nuda. 2. B. germine nudo, seminibus alatis. *Sims l. c.*
On the banks of the Missouri. *Nuttall.* ♂. July, Aug. *v. v.* This species has smaller flowers, and the leaves are not so glaucous as the foregoing: in every other respect the above description is applicable to the present one, with little deviation. The number of petals is variable, from ten to fifteen.

401. DECUMARIA. *Gen. pl.* 815.

barbara. 1. D. foliis ovato-oblongis utrinque acutis obsolete serratis. *Willd. enum. p.* 516. *Willd. sp. pl.* 2. *p.* 850.
In South Carolina. ♄. July, Aug. *v. v.* Stem climbing; flowers in corymbous panicles, white, very sweet-scented.

sarmentosa. 2. D. foliis ovatis acutis basi rotundatis, apice serratis. *Willd. enum.* 516. *Willd. sp. pl.* 2. *p.* 850.
Forsythia scandens. *Walt. fl. car.* . . . .
Icon. *Bosc. in act. hist. nat. paris.* 1. *t.* 13.
In deep cedar-swamps of Virginia and Carolina; particularly plentiful in the Dismal-swamp, near Norfolk. ♄. July, Aug. *v. v.* This climbing shrub resembles the first species, but grows taller, and is in every other respect larger in all its parts. It ascends, in company of *Zizyphus volubilis*, the tallest cypress trees in those swamps.

402. PHILADELPHUS. *Gen. pl.* 840.

1. P. foliis ovatis acuminatis integerrimis, calycis laciniis acutis, stylo staminibus longiore indiviso, stigmatibus quatuor oblongis.—*Willd. sp. pl.* 2. *p.* 948. *inodorus.*
   Icon. *Catesb. car.* 2. *t.* 84. *Bot. mag.* 1478.
   On the banks of rivers in South Carolina. ♄. June, July. *v. v.* An elegant shrub: flowers large, white.

2. P. foliis ovatis acutis subintegerrimis, margine ciliatis, calycis laciniis acutis, stylo longitudine staminum 3-fido, stigmatibus tribus. *Lewisii.*
   On the waters of Clarck's river. ♄. July. *v. s. in Herb. Lewis.* The flowers are smaller than the preceding species.

3. P. foliis ovatis acuminatis denticulatis, axillis venarum subtus fasciculato-pilosis, calycis laciniis acuminatis, stylo staminibus longiore indiviso, stigmatibus quatuor linearibus.—*Willd. enum.* 511. *grandiflorus.*
   P. inodorus. *Hortul.*
   On river banks in South Carolina and Georgia. ♄. June, July. *v. v.* This is generally found in most gardens, under the name of *P. inodorus*, which is by far a more scarce plant.

403. CHRYSOBALANUS. *Gen. pl.* 850.

1. C. foliis subcuneatim oblongis vel etiam oblanceolatis subtus lanuginoso-incanis, petalis subrotundo-ob-ovalibus, staminibus glabris, fructibus oblongo-ovatis.—*Mich. fl. amer.* 1. *p.* 283. *oblongifolius.*
   Icon. *Bartr. iter, t.* ....
   In the barren sands of Georgia and Florida. ♄. May, June. *v. s. in Herb. Lyon.* Flowers white, very small, in large panicles; they are generally dioicous: the fruit is the size of a common plum. This shrub runs with its branches under ground, without making any fibres, for a considerable distance; and its side branches appear from one to two feet above ground, as a separate small shrub, by which more properly it might be considered as a tree under ground.

404. PRUNUS. *Gen. pl.* 849.

1. P. floribus racemosis, racemis erectis elongatis, foliis deciduis ovali-oblongis acuminatis inæqualiter duplicato- *virginiana.*

dentatis utrinque glabris, petiolis subquadriglandulosis. —*Willd. sp. pl.* 2. *p.* 985.

P. rubra. *Ait. kew.* 2. *p.* 162.

Icon. *Willd. arb. t.* 5 *f.* 1. *Mich. arb. t.* ....

In woods, frequent: Canada to Florida. ♄. April, May. *v. v.* A handsome tree: flowers white, as all the following are; berries red. The wood is very useful and handsome, and is manufactured into elegant furniture.

serotina. 2. P. floribus racemosis, racemis laxis, foliis deciduis simpliciter serratis, serraturis infimis subglandulosis, costa media basin versus barbata.—*Willd. sp. pl.* 2. *p.* 986.

P. virginiana. *Mill. dict. n.* 3. *Du Roi harbk.* 2. *p.* 191.

Icon. *Willd. arb. t.* 5. *f* 2. *Wangh. amer. t.* 14. *f* 33.

In mountain woods: Pensylvania to Carolina. ♄. May, June. *v. v.* Resembles the first species very much.

canadensis. 3. P. floribus racemosis, foliis deciduis eglandulosis lato-lanceolatis rugosis argute serratis utrinque subpubescentibus, in petiolum attenuatis.—*Willd. sp. pl.* 2. *p.* 986.

Icon. *Pluk. alm. t.* 158. *f.* 4.

In North America. *Sp. pl.* ♄. +. I strongly suspect this to be nothing more than *P. hiemalis*, No. 9.

caroliniana. 4. P. floribus racemosis, foliis sempervirentibus oblongo-lanceolatis mucronatis serratis eglandulosis lævigatis.—*Willd. sp. pl.* 2 *p* 987.

In South Carolina and Georgia. ♄. May. *v. v.* A handsome evergreen shrub, resembling *P. lusitanica.*

semperflorens. 5. P. floribus racemosis, racemis foliosis pendulis, calycibus serratis, foliis ovatis serratis glabris basi glandulosis.—*Willd sp. pl.* 2. *p.* 992.

P. serotina. *Roth catalect.* 1. *p.* 58.

In the western parts of Virginia. ♄. May. *v. v.* A small shrub.

borealis. 6. P. floribus corymbosis, pedicellis elongatis, foliis ovali-oblongis acuminatis eroso-denticulatis membranaceis glabris, fructu subovato.—*Mich. fl. amer.* 1. *p.* 286.

Icon *Mich. arb. t.* ....

In Canada and on the high mountains of New England and Pensylvania. ♄. May, June. *v. v.* A very handsome small tree; the wood exquisitely hard and fine grained; the cherries hang in clusters, are small, red, and agreeable to the taste, but occasion an astringency in the mouth, from which they are called *Choke-cherries.*

7. P. umbellis subsessilibus aggregatis multifloris tandem paniculæformibus, foliis oblongo-lanceolatis serratis glabris basi biglandulosis, ramulis punctatis.—*Willd. sp. pl.* 2. *p.* 993. *pensylvanica.*

P. lanceolata. *Willd. arb. t.* 3. *f.* 3.

In woods and near plantations: New England to Virginia. ♄. April, May. *v. v.* This resembles *P. Cerasus* very much: the cherries are small, and agreeable to eat.

8. P. umbellis sessilibus solitariis paucifloris, foliis deciduis ovatis acuminatis inæqualiter argute-serratis utrinque glabris, petiolis biglandulosis.—*Willd. sp. pl.* 2. *p.* 993. *nigra.*

Icon. *Bot. mag.* 1117.

In Canada and on the Allegany mountains. ♄. May, June. *v. v.*

9. P. umbellis sessilibus aggregatis paucifloris, calycis laciniis lanceolatis, stipulis setaceo-compositis, foliis oblongo-ovalibus obovalibusve abrupte promisseque acuminatis, fructu subovato.—*Mich. fl. amer.* 1. *p.* 284. *hiemalis.*

In Canada and on the western mountains of Virginia and Carolina. ♄. May. *v. v.* The fruit small, black, extremely astringent, but eatable in winter; called *Black Choke-cherry.*

10. P. umbellis sessilibus aggregatis paucifloris, foliis ovato-ellipticis acutis utrinque glabris argute serratis basi biglandulosis.—*Willd. sp. pl.* 2. *p.* 993. *pygmæa.*

In the western parts of Pensylvania and Virginia. ♄. May. *v. v.* A shrub about four or five feet high; the fruit very indifferent, black, the size of a large pea.

11. P. umbellis sessilibus aggregatis paucifloris, pedunculis calycibusque pubescentibus, foliis brevi-ovalibus serrulatis basi plerumque biglandulosis, drupa sphærica, nuce subrotundo-ovoidea. *pubescens.*

P. sphærocarpa. *Mich. fl. amer.* 1. *p.* 284.

On the sea-coast of New England. *Michaux.* In the western parts of Pensylvania on the borders of lakes. *P.* ♄. May. *v. v.* A small shrub; flowers smaller than any other American species; fruit brownish-purple, very astringent.

12. P. umbellis sessilibus aggregatis paucifloris, calycibus acutis, ramis virgatis teretibus, foliis angusto-lanceo- *pumila.*

latis superne serratis subtus pallidis.—*Willd. sp. pl.* 2. *p.* 990.

Icon. *Mill. ic. t.* 89. *f.* 2.

In low grounds and swamps: Pensylvania and Virginia. ♄. May. *v. v.* A small shrub of the appearance of *Amygdalus nana*; fruit red, very acid.

depressa. 13. P. umbellis sessilibus aggregatis paucifloris, calycibus obtusis, ramis angulatis depresso-prostratis, foliis cuneato-lanceolatis rariter serratis glabris subtus glaucis, fructu ovato.

P. pumila. *Mich. fl. amer.* 1. *p.* 286.

On the sandy shores of rivers and lakes: Canada to Virginia. ♄. May. *v. v.* This low shrub, which spreads its branches very much, and does not rise above one foot from the ground, is known by the name of *Sand-cherries*. The fruit is black, small, and agreeably tasted.

Chicasa. 14. P. gemmis aggregatis bifloris, pedicellis brevissimis, calycibus glabris, laciniis obtusis, foliis oblongo-ovalibus acutis seu acuminatis serrulatis, fructu subgloboso, ramis spinescentibus glaberrimis.—*Mich. fl. amer.* 1. *p.* 284.

P. insititia. *Walt. fl. car.* 146.

In Virginia and Carolina. ♄. April, May. *v. v.* Known by the name of *Chicasaw Plum*. The fruit is yellow and agreeably tasted. It is mentioned in Michaux's Flora, that it was introduced by the Indians; which probably may be the case, as it generally only occurs where ancient camps of Indians have been.

maritima. 15. P. pedunculis subsolitariis, foliis ovato-oblongis acuminatis duplicato-serratis. *Willd. enum.* 519.

P. acuminata, fruticosa; ramulis glabris, foliis oblongo-ovalibus longiuscule acuteque acuminatis, calyce glabro, drupa longiuscule pedunculata ovata acuminata. *Mich. fl. amer.* 1. *p.* 284?

On the sea-coast: New Jersey to Carolina. ♄. May. *v. v.* Fruit the size of a pigeon's egg, very good to eat, dark purple.

Susquehanna. 16. P. pedunculis solitariis, foliis obovato-oblongis subtus glaucis serratis basi integerrimis. *Willd. enum.* 519.

On the banks of the Susquehannah, Pensylvania, ♄. May. +. It appears to me that this species approaches very near to No. 13.

Figurea tridentata.

Oenothera vanima.

17. P. pedunculis solitariis, foliis ellipticis glabris, fructibus pendulis, ramis subinermibus. *Willd. sp. pl.* 2. *p.* 997. *cerasifera.*

Near habitations, frequent. ♄. April, May. *v. v.* This is the common *Myrabolan Cherry*, and had its origin from America, according to authors.

Bu p pedunculis solitariis, foliis elliptico-lanceolatis subtus pubescentibus, fructibus rectis, ramis spinosis. *Willd. sp. pl.* 2. *p.* 997. *spinosa.*

The common *Black Thorn*, or *Sloe*, is frequently found in hedge-rows, particularly in Pensylvania, but has been introduced from Europe.

405. TIGAREA. *Aubl. guj.* 2. *p.* 917. *Pursh in linn. trans. v.* 11.

P. T. foliis in apice ramulorum confertis, obcuneatis, 3-dentatis, supra villosis subtus cano-tomentosis, floribus terminalibus solitariis brevissime pedunculatis. *tridentata.*

In the prairies of the Rocky-mountains and on the Columbia river. ♄. July. *v. s. in Herb. Lewis.* Flowers yellow.

Frutex ramosissimus. *Cortex* cinerea. *Ramuli* brevissimi, gibbosi, apice fasciculatim foliosi. *Gemmæ:* squamis subrotundis, glabris, fuscis. *Folia* cuneiformia, quasi in petiolum angustata, apice 3-dentata seu 3-fida, laciniis lateralibus acutis, intermedia subemarginata, margine revoluta, supra strigoso-villosa, subtus cano-tomentosa, subtriplinervia, semiuncialia. *Pedunculi* brevissimi, terminales, solitarii, uniflori. *Flores* lutei, magnitudine *Cratægi oxyacanthi*. *Calyx* extus hirsutissimus, laciniis acutis. *Petala* obovata, subunguiculata, calyce paulo longiora. *Filamenta* circiter 20. longitudine petalorum. *Antheræ* oblongæ, biloculares. *Germen* oblongum, hirsutum, longitudine staminum. *Stylus* brevis, obliquus. *Stigma* simplex. *Capsula* immatura calyce persistente cincta.

This singular shrub approaches the nearest to *Tigarea* of Aublet: the seeming difference in character may only be owing to the imperfect state of the specimens Aublet's description seems to be made of. It certainly deserves to be separated from *Tetracera*, though generally united with that genus.

406. LYTHRUM. *Gen. pl.* 925.

Salicaria. 1. L. pubescens; foliis oppositis ternatisque sessilibus ceolatis basi cordatis, floribus terminalibus ver spicatis 12-andris, capsulis oblongis.—*Willd. sp. p.* 865.

β. pubescens.

Icon. *Fl. dan.* 671. *Engl. bot.* 1061.

In wet meadows: Canada and New England. ♃. July, Aug. *v. v.* About two feet high; flowers very showy, purple.

verticillatum. 2. L. pubescens; foliis oppositis lanceolatis petiolatis, floribus axillaribus corymbosis subverticillatim aggregatis decandris, fructibus globosis.—*Willd. sp. pl.* 2. *p.* 866.

Decodon aquaticum. *Gmel. syst.* 677.

Anonymos aquatica. *Walt. fl. car.* 137.

In swamps: Canada to Florida; not common. ♃. July, Aug. *v. v.* A showy perennial, from two to four feet high; the stems are declinate, and strike frequently roots on their summits; flowers large, fine purple.

virgatum. 3. L. foliis oppositis lanceolatis glabris, caule paniculato, floribus axillaribus ternis pedicellatis 12-andris.—*Willd. sp pl.* 2. *p.* 865.

L. virgatum. *Walt. fl. car.* 120.

In low sandy meadows and swamps. *Bosc.* ♃. July, Aug. *v. s. in Herb. Enslen.* Flowers pale purple. Walter in his Flora Caroliniensis has it as an hexandrous plant; which probably may be the case.

alatum. 4. L. glaberrimum; foliis oppositis ovato-oblongis acutis basi subcordatis arcte sessilibus, ramis virgatis 4-gonoalatis, floribus axillaribus solitariis sessilibus hexandris.

In Lower Georgia. *Enslen.* ♃. June, July. *v. s. in Herb. Enslen.* From three to four feet high; flowers small, purple.

lineare. 5. L. glabrum, virgato-paniculatum; foliis suboppositis linearibus, floribus axillaribus solitariis 6-andris.—*Willd. sp. pl.* 2. *p.* 868.

Near the sea-coast of Virginia and Carolina. ♃. July, Aug. *v. v.* Three or four feet high; flowers small, white.

407. CUPHEA. *Jacq. hort.* 2. *p.* t...

1. C. viscosa; foliis oppositis petiolatis ovato-oblongis, floribus 12-andris lateralibus solitariis brevissime pedunculatis.—*Willd. sp. pl.* 2. *p.* 870. *viscosissima.*
Balsamona Pinto. *Vandell. fasc. t.* 3.
Lythrum Cuphea. *Linn. suppl.* 249.
Lythrum petiolatum. *Willd. sp. pl.* 2. *p.* 867.
Icon. *Jacq. hort.* 2. *t.* 177.
In the mountains of Virginia and Kentucky. ☉. June, July. *v. v.; v. s. in Herb. Gronov.* Flowers, large, purple.

II. *DI-PENTAGYNIA.*

408. FOTHERGILLA. *Gen. pl.* 922.

1. Fothergilla. *Willd. sp. pl.* 2. *p.* 1224. *alnifolia.*
F. Gardeni. *Mich fl. amer.* 1. *p.*.....
α. F. foliis cuneato-obovatis superne crenato-dentatis. obtusa.
Icon. *Bot. mag.* 1341. *Lam. illustr.* 480.
β. F. foliis ovato-oblongis basi subcordatis superne crenato-dentatis. major.
Icon. *Bot. mag.* 1342.
γ. F. foliis ovatis acutis subintegerrimis. acuta.
F. Gardeni. *Jacq. ic. rar* 1. *t.* 100.
In shady woods, on the side of hills; Virginia to Carolina. ♄. March, April. *v. v.* Flowers in close spikes or catkins, white. The different varieties here mentioned are rather to be considered as distinct species.

409 AGRIMONIA. *Gen. pl.* 830.

1. A. hirsuta; foliis interrupte-pinnatis, impari petiolato, foliolis obovatis inciso-argute-dentatis glabriusculis, spicis virgatis, floribus subsessilibus, petalis calyce duplo longioribus, fructibus obconicis divaricato-hispidis basi sublævibus.—*Willd. sp. pl.* 2. *p.* 875. *Eupatoria.*
Icon. *Fl. dan.* 580. *Curt. lond.* 32.
Near the edge of woods on sunny hills: Pensylvania to Carolina. ♃. June, July. *v. v.* Flowers yellow.

parviflora. 2. A. hirsuta; foliis interrupte pinnatis, impari sessili, foliolis plurimis lineari-lanceolatis inciso-serratis, spicis virgatis, floribus brevissime pedicellatis, petalis calyce sesquilongioribus, fructibus subrotundis divaricato-hispidis.—*Willd. sp. pl.* 2. *p.* 876.

In woods, on the side of hills: Pensylvania to Virginia. ♃. June, July. *v. v.* Flowers small, yellow.

suaveolens. 3. A. hirsutissima; foliis interrupte-pinnatis, impari sessili, foliolis plurimis lanceolatis argute serratis subtus hirsutis, spicis virgatis viscosis, floribus brevi-pedicellatis, petalis calyce duplo longioribus, fructibus obconicis divaricato-hispidis.

On high mountain-meadows in Virginia and Carolina. ♃. July, Aug. *v. v.* Grows to the height of five feet; is covered with very long brownish hairs: the flower spikes are likewise very closely covered with viscous hairs, and have a very agreeable balsamic scent: the flowers are small and pale yellow.

striata. 4. A. spicis virgatis, fructibus reflexis turbinatis sulcato-striatis apice tantum et quasi coronatim hispidis. *Mich. fl. amer.* 1. *p.* 287.

In Canada. *Michaux.* ♃. +. Flowers white.

410. CRATÆGUS. *Gen. pl.* 854.

apiifolia. 1. C. spinosa; foliis deltoideis inciso-lobatis, lobis acutis inciso-dentatis, corymbi pedicellis subsimplicibus, calycis tubo oblongo, laciniis subserratis.—*Mich. fl. amer.* 1. *p.* 287.

C. Oxyacantha. *Walt. fl. car.* 147.

In low woods and on the banks of rivers: Virginia and Carolina; plentifully on the banks of Roanoke-river, Southampton. ♄. May, June. *v. v.* This shrub, with its elegant foliage and scarlet berries, would be one of the finest ornaments to be introduced into the gardens, particularly for the purpose of making hedges; which object has been so much neglected in North America.

spathulata. 2. C. ramulis spinescentibus fasciculatim foliosis, foliis parvis longissime deorsum angustatis subspathulatis trifidis, corymbis paucifloris, pedicellis brevibus, calycibus tomentosis.—*Mich. fl. amer.* 1. *p.* 286.

In dry woods, near rivers? Virginia and Carolina. ♄. May, June. *v. v.* The thorns are very large and crooked; leaves small.

Rubus spectabilis.

3. C. spinosa; foliis cordato-ovatis inciso-angulatis glabris acute-serratis, petiolis calycibusque pubescentibus glandulosis, petalis orbiculatis, floribus 5-gynis.— *Willd. sp. pl.* 2. *p.* 1000. *coccinea.*
Mespilus æstivalis. *Walt. fl. car.* 148.
Icon. *Pluk. alm. t.* 46. *f.* 4.
In woods and hedges: Canada to Carolina, ♄. April, May. *v. v.* Berries red, large, and agreeable to eat.

4. C. spinosa; foliis cordato-ovatis basi truncatis inciso-angulatis glabris, petiolis calycibusque eglandulosis, floribus pentagynis. *Walt. fl. car.* 147. *populifolia.*
C. corallina. *H. P.*
C. cordata. *Willd. sp. pl.* 2. *p.* 1000.
Mespilus acerifolia. *Lam. encycl.* 4. *p.* 442.
Mespilus Phœnopyrum. *Linn. suppl.* 254.
Mespilus cordata. *Mill. ic. t.* 179.
In hedge rows and on the banks of rivers: Canada to Virginia. ♄. May, June. *v. v.* Berries small, scarlet.

5. C. spinosa inermisve; foliis ovato-ellipticis inciso-serratis subplicatis subhirtis, calycibus villosiusculis, foliolis lineari-lanceolatis serratis, floribus trigynis. *Willd. sp. pl.* 2. *p.* 1001.
C. leucophleos. *Mœnch. weissenst. p.* 31. *t.* 2.
C. tomentosa. *Du Roi harbk.* 1. *p.* 183.
C. edulis. *Loddiges catal.*
Mespilus calpodendron. *Ehrh. beitr.* 2. *p.* 67.
Mespilus latifolia. *Lam. encycl.* 4. *p.* 444.
In rocky and gravelly woods, and on banks of rivers: Pensylvania to Carolina. ♄. June. *v. s.*

6. C. spinosa; foliis ellipticis inæqualiter serratis glabris, petiolis calycibusque glandulosis, laciniis calycis obtusis, baccis globosis 5-spermis.—*Willd. sp. pl.* 2. *p.* 1002. *elliptica.*
C. prunifolia. *Lam. encycl.* 4. *p.* 443.
In copses and dry swamps: Canada to Carolina. ♄. April, May. *v. v.* Fruit red, small.

7. C. spinosa; foliis obovato-cuneiformibus angulatis glabris nitidis, petiolis stipulis calycibusque glandulosis, baccis ovalibus 5-spermis. *Willd. sp. pl.* 2. *p.* 1002. *glandulosa.*
C. sanguinea. *Pall. fl. ross.* 1. *p.* 25. *t.* 11.
Mespilus rotundifolia. *Ehrh. beitr.* 3. *p.* 20.
In Canada and on the Allegany mountains. ♄. April, May. *v. v.* Berries middle-sized, scarlet. M. Lewis, Esq. collected it on the Rocky-mountains.

flava. 8. C. spinosa; foliis obovato-cuneiformibus sublobatis crenato-serratis, petiolis brevibus, stipulis cordatis calycibusque glandulosis, floribus subsolitariis, baccis turbinatis tetraspermis.—*Willd. sp. pl.* 2. *p.* 1002.
C. viridis. *Walt. fl. car.* 147.
C. glandulosa. *Mich. fl. amer.* 1. *p.* 288.
C. Michauxii. *Pers. syn.* 2. *p.* 38.
Mespilus flexispina. *Mœnch. weissenst.* p. 62. *t.* 4.
Mespilus caroliniana. *Lam. encycl.* 4. *p.* 442.
In sandy, shady places: Virginia to Carolina. ♄. May. *v. v.* Berries large, yellow, eatable; flowers large.

parvifolia. 9. C. spinosa; foliis cuneiformi-ovatis incisis serratis subtomentosis, foliolis calycinis lanceolatis incisis longitudine fructus, floribus solitariis 5-gynis, fructibus subturbinatis punctato-verrucosis.—*Willd. sp. pl.* 2. *p.* 1002.
C. tomentosa. *Sp. pl.* 682.
C. uniflora. *Du Roi harbk.* 1. *p.* 184.
Mespilus Xanthocarpos. *Linn. suppl.* 254.
Mespilus laciniata. *Walt. fl. car.* 147.
In sandy, shady woods: New Jersey to Carolina. ♄. May, June. *v. v.* A low shrub; leaves small; fruit large, greenish-yellow.

punctata. 10. C. spinosa inermisve; foliis obovato-cuneiformibus subplicatis glabris incisis serratis in petiolum decurrentibus, calycibus villosis, laciniis subulatis integerrimis, baccis subglobosis umbilico depresso.—*Willd. sp. pl.* 2. *p.* 1004.
C. Crus galli. *Du Roi harbk.* 1. *p.* 195.
Mespilus cuneifolia. *Ehrh. beitr.* 3. *p.* 21.
Mespilus cornifolia. *Lam. encycl.* 4. p. 444.
Icon. *Jacq. hort.* 1. *t.* 28.

rubra. α. C. fructibus rubris. *Ait. hew. ed.* 2. *t.* 3. *p.* 202.
aurea. β. C. fructibus flavis. *Ait. l. c.*
In the woods and swamps of Virginia and Carolina. ♄. May, June. *v. v.* Is inclined to grow to a handsome tree; berries yellow, with dark spots.

Crus galli. 11. C. spinosa; foliis obovato-cuneiformibus subsessilibus nitidis coriaceis, corymbis compositis, foliolis calycinis lanceolatis subserratis, floribus digynis. *Willd. sp. pl.* 2. *p.* 1004.
C. hyemalis. *Walt. fl. car.* 147.
C. lucida. *Wangh. amer. p.* 53. *t.* 17. *f.* 42.
Mespilus lucida. *Ehrh. beitr.* 4. *p.* 17.

412. SORBUS. *Gen. pl.* 855.

1. S. foliis pinnatis, foliolis acutis subæqualiter serratis petioloque communi glaberrimis. *Willd. enum.* 520. *americana.*
S. Aucuparia β. *Mich. fl. amer.* 1. *p.* 290.
In Canada and on some of the northern mountains. ♄. May, June. *v. v.* Berries purple, not scarlet as in the European species.

2. S. foliis pinnatis, foliolis acuminatis inæqualiter inciso-serratis petioloque communi glabris, serraturis setaceo-mucronatis. *microcarpa.*
S. Aucuparia α. *Mich. fl. amer.* 1. *p.* 290.
On the peaks of high mountains: New Jersey to Carolina. ♄. June. *v. v.* A large shrub; the young branches covered with a shining, dark brown gloss; berries small, scarlet. This species is very distinct from the Canadian *Sorbus.*

413. SPIRÆA. *Gen. pl.* 862.

* *Fruticosæ.*

1. S. foliis lanceolatis argute-serratis glabris, racemo terminali composito paniculato, floribus 5-gynis.—*Willd. sp. pl.* 2. *p.* 1055. *salicifolia.*

α. S. foliis lanceolatis, racemis paniculatis divaricatis, petalis albis cortice ramorum rubris. *Ait. kew.* 2. *p.* 198. paniculata.
S. alba. *Ehrh. beitr.* 7. *p.* 137.
Icon. *Mill. ic. t.* 257. *f.* 2.

β. S. foliis ovato-oblongis, racemis paniculatis, petalis albis. cortice ramorum rufescente. *Ait. l. c.* latifolia.
In swamps and on the edge of ditches and slow-flowing rivers: Canada to Carolina; particularly on the mountains. ♄. June—Aug. *v. v.* This shrub is very variable in size, shape, and colour.

2. S. foliis lanceolatis inæqualiter-serratis subtus tomentosis, racemo terminali composito confertifloro, floribus 5-gynis — *Willd. sp. pl.* 2. *p.* 1056. *tomentosa.*
Icon. *Schmidt arb.* 57. *Pluk. alm. t.* 321. *f.* 5.
In Canada and on the Allegany mountains: New York to Carolina. ♄. July—Sept. *v. v.* A small shrub; flowers red.

3. S. foliis obovatis integerrimis seu apice dentatis glabris, umbellis sessilibus.—*Willd. sp. pl.* 2. *p.* 1057. *hypericifolia.*
Icon. *Schmidt arb.* 56 & 57.

In dry swamps of Canada and New York. ♄. May. *v. v.* Flowers white, small, and in great abundance.

chamædrifolia. 4. S. foliis obovatis apice inciso-dentatis glabris, corymbis pedunculatis.—*Willd. sp. pl.* 2. *p.* 1058.
Icon. *Schmidt arb.* 53.

media. β. S. foliis utrinque subvillosis paucidentatis. *Schmidt arb.* 54.
In Canada and on the north-west coast. ♄. May, June. *v. v.*

betulifolia. 5. S. foliis lato-ovatis inciso-serratis glabris, corymbis terminalibus compositis fastigiatis foliosis.—*Pall. fl. ross.* 1. *p.* 33. *t.* 16.
In the mountains of Virginia. ♄. May—July. *v. v.* Not above a foot high: flowers tinged with red. This species is very distinct from *S. ulmifolia Willd. sp. pl.* 2. *p.* 1058, to which it has been referred as a synonym.

opulifolia. 6. S. foliis ovatis lobatis duplicato-dentatis crenatisve glabris, corymbis terminalibus confertifloris, floribus 3-gynis, capsulis inflatis.—*Willd. sp. pl.* 2. *p.* 1059.
Icon. *Schmidt arb.* 32. *Rob. ic.* 134. *Comm. hort.* 1. *t.* 87.
On the banks of rivers, particularly in the mountains: Canada to Carolina. ♄. June, July. *v. v.* Flowers white; generally known by the name of *Nine-bark.*

capitata. 7. S. foliis ovatis sublobatis duplicato-dentatis subtus reticulatis tomentosis, corymbis terminalibus congestis subcapitatis longissime pedunculatis, calycibus tomentosis.
On the north-west coast. *Menzies!* ♄. June. *v. s. in Herb. Banks.* An imperfect specimen of this species I observed in the Lewisian Herbarium, gathered on the Columbia.

discolor. 8. S. foliis ovatis lobatis dentatis subplicatis subtus niveo-tomentosis, paniculis terminalibus pedunculatis ramosissimis.
On the banks of the Kooskoosky. ♄. June, July. *v. s. in Herb. Lewis.* A shrub about five feet high.

sorbifolia. 9. S. foliis pinnatis, foliolis uniformibus serratis, floribus paniculatis. *Willd. sp. pl.* 2. *p.* 1060.
Icon. *Schmidt arb.* 58. *Pall. fl. ross.* 1. *t.* 24.
On the north-west coast, and probably in Canada. ♄. July, Aug. *v. v.* A handsome small shrub; flowers white.

** *Herbaceæ.*

10. S. foliis 2–3-pinnatis, spicis paniculatis, floribus 3-gynis dioicis.—*Willd. sp. pl.* 2. *p.* 1060. *Aruncus.*
Icon. *Pall. fl. ross.* 1. *t.* 26.

β. S. foliis lucidis, panicula oblonga, spicis gracilibus hermaphroditis. americana.
In the mountains: Pensylvania to Georgia. ♃. June, July. *v. v.* Flowers white; a very elegant plant.

11. S. foliis pinnatis glabris, impari majore 7-lobo, lateralibus 3-lobis, corymbis proliferis. *Willd. sp. pl.* 2. *p.* 1062. *lobata.*
S. palmata. *Linn. syppl.* 262.
Icon. *Jacq. hort.* 1. *t.* 88.
In fertile wet meadows: Virginia and Carolina. ♃. July, Aug. *v. v.* A beautiful perennial; flowers red, in large clusters.

12. S. foliis ternatis lanceolatis serratis subæqualibus, stipulis linearibus integris, floribus terminalibus laxe paniculatis 5-gynis, calyce tubuloso campanulato.—*Willd. sp. pl.* 2. *p.* 1063. *trifoliata.*
Gillenia trifoliata. *Mœnch. meth. suppl. p.* 286.
Icon. *Mill. ic.* 256. *Bot. mag.* 489.
In shady woods and on bogs: Canada to Florida; principally in the mountainous parts thereof. ♃. June, July. *v. v.* A very fine perennial; flowers large, white. It may, with the following species, with all propriety form a distinct genus.

13. S. foliis ternatis lanceolatis inciso-serratis subæqualibus, stipulis foliaceis ovatis inciso-dentatis, floribus terminalibus laxe paniculatis 5-gynis, calyce campanulato. —*Willd. enum. p.* . . . . *stipulacea.*

β. S. foliis ternatis, foliolis pinnatifidis inciso-dentatis. incisa.
In shady woods: Kentucky and Tennassee. ♃. June, July. *v. v.* Flowers resembling the former species. The variety β. appears very different; but, as I have not seen it in flower, I did not venture to make it a distinct species.

III. *POLYGYNIA*

414. ROSA. *Gen. pl.* 863.

blanda. 1. R. germinibus globosis glabris, caulibus aculeis pedunculisque lævibus inermibus, foliolis (7) oblongis subæqualiter serratis glabris, petiolis glabris subaculeatis. —*Willd. sp. pl.* 2. *p.* 1065.
Icon. *Andrews's roses. Miss Lawr. roses* 27.
In Canada, near Hudson's Bay, and on the river St. Lawrence. ♄. May—Aug. *v. v.* The younger branches are covered with straight red spines; the older ones unarmed and shining red.

parviflora. 2. R. germinibus depresso-globosis pedunculisque hispidis, petiolis pubescentibus subaculeatis, caule glabro, aculeis stipularibus rectis, foliolis elliptico-lanceolatis simpliciter serratis glabris, floribus subgeminatis.—*Willd. sp. pl.* 2. *p.* 1068.
R. carolina. *Du Roi harbk.* 2. *p.* 335. *Mich. fl. amer.* 1. *p.* 295.
R. pensylvanica. *Wangh. amer. p.* 113.
R. humilis. *Marsh. arb.* 285.
In woods on the side of hills: New York to Carolina. ♄. June, July. *v. v.* About two feet high. There are a number of varieties of this species.

nitida. 3. R. germinibus globosis, calycibus pedunculis ramisque hispidis, petiolis pilosiusculis inermibus, foliolis (7) oblongo-lanceolatis utrinque nitidis glaberrimis.—*Willd. enum.* 544.
In Pensylvania and Virginia. ♄. June—Aug. *v. v.* Petals red, obcordate.

lucida. 4. R. germinibus depresso-globosis pedunculisque subhispidis, petiolis glabris subaculeatis, caule glabro, aculeis stipularibus rectis, foliolis ovato-lanceolatis obtusiusculis grosse serratis glabris nitidis, floribus subgeminis, calycinis foliolis integris.—*Willd. sp. pl.* 2. *p.* 1068.
R. carolina. *Walt. fl. car.* 149.
Icon. *Dill. elth. t.* 245. *f.* 316.
On the borders of swamps: New York to Carolina. ♄. July, Aug. *v. v.* From four to six feet high.

gemella. 5. R. germinibus depresso-globosis pedunculisque glabris, floribus subgeminatis, foliis oblongis acutis opacis, re-

tiolis venisque subtus pubescentibus, aculeis uncinatis infra axillaribus caulinis geminatis.—*Willd. enum.* 544.

On dry sunny hills: New England to Carolina. ♄. July, Aug. *v. v.* A low shrub; flower red, large.

6. R. germinibus subglobosis glabriusculis, pedunculis hispidis, petiolis subaculeatis, caule glabro, aculeis sparsis rectis, foliolis (3—5) ovato-oblongis acutis serratis, supra glabriusculis, subtus tomentosis, superioribus simplicibus, floribus subternatis, stipulis linearibus, calycis laciniis tomentosis linearibus vix laciniatis. *Lyonii.*

In Tennassee. *Lyon.* ♄. July. *v. s. in Herb. Lyon.* Flowers pale red; leaves small, with coloured veins.

7. R. germinibus globosis, petiolis nervisque aculeatis, ramis glabris, aculeis geminis sparsisque, foliolis (3—5) acuminatis glabris, calycinis foliolis subpennatim setigeris.—*Mich. fl. amer.* 1. *p.* 295. *setigera.*

In swamps of Virginia and Lower Carolina. ♄. June, July. *v. v. c. fr.* From five to eight feet high.

8. R. germinibus globosis pedunculisque subhispidis, petiolis pilosis subaculeatis, caule glabro, aculeis stipularibus subuncinatis, foliolis (5—7) oblongo-lanceolatis acutis argute serratis subtus glaucis, floribus corymbosis.—*Willd. sp. pl.* 2. *p.* 1009. *carolina.*

β corymbosa. *Ehrh. beitr.* 4. *p.* 21.

γ virginiana. *Du Roi harbk.* 2. *p.* 353.

R. pensylvanica. *Mich. fl. amer.* 1. *p.* 296.

Icon. *Andrews's roses. Miss Lawr. roses* 3. 24. 36. 54. 66. 68.

In swamps and on the banks of ponds: New England to Virginia. ♄. June, July. *v. v.* From five to six feet high. There are a great number of varieties of this species.

9. R. germinibus globosis pedunculisque hispidulis, calycibus inexpansis muticis, foliis ternatis subtus pubescentibus, petiolis glandulosis aculeatisque, caule glabro, aculeis stipularibus sparsisque subaduncis, floribus corymbosis. *Ait. kew. ed.* 2. *t.* 3. *p.* 260. *rubifolia.*

In North America. *Mason.* ♄. June, July. +.

10. R. germinibus ovatis, promisse hispidissimis, calycis laciniis integris, aculeis geminatis recurvis, petiolis subaculeatis, foliolis (3—5) lanceolato-ovalibus subener- *lævigata.*

vibus lævigatis, stipulis angustis subulato-mucronatis. —*Mich. fl. amer.* 1. *p.* 295.

In shady woods of Georgia. ♄. *v. v. s. fl.* An ever-green; climbing to a great height.

suaveolens. 11. R. germinibus ovatis, pedunculis petiolisque glanduloso-hispidis, petiolis subaculeatis, caule glabro, aculeis sparsis rectis tenuibus, foliolis (5—7) ovatis serratis subtus vix glanduloso-pilosis, ramulis unifloris, calycis laciniis integris.

R. Eglanteria americana. *Andrews's roses*, cum icone.

pendulina. 12. R. inermis; germinibus oblongis, pedunculis petiolisque hispidis, caule ramisque glabris, fructibus pendulis. *Willd. sp. pl.* 2. *p.* 1076.

Icon. *Miss. Lawr. ros.* 9. *Dill. elth. t.* 245. *f.* 317.

In North America. ♄. May, June. *v. v. in Hortis.* Known by the name of *Rose without Thorns*. I never have seen this plant in its indigenous state.

415. RUBUS. *Gen. pl.* 864.

* *Fruticosi.*

Idæus. 1. R. foliis quinato-pinnatis ternatisque rhombeo-ovatis acuminatis subtus tomentosis, petiolis canaliculatis, caule aculeato-hispido, floribus subpaniculatis.—*Willd. sp. pl.* 2. *p.* 1081.

Icon. *Fl. dan.* 788.

In hedge-rows: Canada to Pensylvania. ♄. May, June. *v. v.* The *Wild Raspberry* has a number of varieties.

villosus. 2. R. pubescens, hispidus aculeatusque; foliis 3—5-digitatis, foliolis ovato-oblongis acuminatis serratis utrinque pubescentibus, caulibus petiolisque aculeatis, calyce brevi acuminato, racemo laxo, pedicellis solitariis.—*Willd. sp. pl.* 2. *p.* 1085.

In old fields and commons; frequent: New England to Carolina. ♄. June, July. *v. v.* Known by the name of *Black-berries*.

strigosus. 3. R. inermis, rigide hispidissimus; foliolis 3. aut pinnato-quinatis ovalibus basi obtusis acuminatis subtus lineatis et candido-tomentosis, calycibus acuminatis, floribus in apice ramulorum axillaribus solitariis, pedunculis calycibusque hispidis.—*Mich. fl. amer.* 1. *p.* 297.

R. pensylvanicum. *Lam. encycl.* 6. *p.* 246.

On the mountains: Canada to Virginia. ♄. June, July. *v. v.* An upright shrub; berries very agreeable to eat.

4. R. glabriuscula; foliis digitatis denis quinis ternatisque, foliolis lanceolatis utrinque nudis argute serratis, caule inermi, bracteis lanceolatis.—*Willd. sp. pl.* 2. *p.* 1085. *canadensis.*
In rocky barren woods: Canada and New England. ♄. June, July. *v. v.* Stem and old branches purple.

5. R. ramis petiolis pedunculisque tomentosis sparsim recurvato-aculeatis, foliis 3—5-digitatis, foliolis cuneato-obovatis superne inæqualiter dentatis plicatis margine integerrimo revolutis subtus tomentosis, racemis terminalibus paniculatis, pedicellis divaricatis nudiusculis. *cuneifolius.*
R. parvifolius. *Walt. fl. car.* 149.
In sandy fields and woods: New Jersey and Carolina. ♄. June, July. *v. v.* A straggling briar of a gray aspect; the berries hard and dry.

6. R. ramis petiolisque glaucis et aculeatis, foliis ternis ovalibus acuminatis sublobatim duplicato-serratis subtus cano-tomentosis, petiolis teretibus, aculeis recurvatis, racemis terminalibus.—*Willd. sp. pl.* 2. *p.* 1082. *occidentalis.*
Icon. *Dill. elth. t.* 247. *f.* 319.
In rocky and mountainous situations: Canada to Carolina. ♄. May, June. *v. v.* The stem is smooth, and covered with a blueish dew. Berries black or red; known in the gardens by the name of *Virginian Raspberry.*

7. R. sarmentoso-procumbens; caulibus petiolis pedunculisque setis rigidis hispidissimis, foliis ternatis inciso-serratis nudis, intermedio pedicellato.—*Willd. sp. pl.* 2. *p.* 1083. *hispidus.*
In Canada. *Kalm.* ♄. +. Resembles some of the following species, particularly No. 9.

8. R. sarmentoso-procumbens; petiolis pedunculisque recurvato-aculeato-hispidis, stipulis subulatis, foliis ternatis quinatisve oblongo-ovalibus acutis inæqualiter serratis subpubescentibus, pedicellis solitariis elongatis, petalis obovatis calyce triplo longioribus.—*Mich. fl. amer.* 1. *p.* 290.
In old fields, common: New England to Carolina. ♄. May, June. *v. v.* Flowers large; berries black, large, and very agreeably tasting; known by the name of *Dewberries.*

9. R. sarmentoso-procumbens; caule tereti petiolisque recurvato-aculeatis, foliis ternatis glabris inæqualiter *flagellaris.*

serratis, intermedio ovato basi cuneato, lateralibus rhombeis.—*Willd. enum.* 549.

R. trivialis. *Ait. kew. ed.* 2. *t.* 3. *p.* 269.

In fields and sandy woods: Virginia and Carolina. ♄. June, July. *v. v.* The leaves are smaller, smooth, and equal on the base; petals more orbicular than No. 8.

inermis. 10. R. caule petiolis pedunculisque inermibus, foliis ternatis ovatis acutis inæqualiter serratis subtus tomentosis, lateralibus subincisis, stipulis setaceo-subulatis.—*Willd. enum.* 548.

R. hispidus, *Walt. fl. car.* 149?

In Pensylvania. ♄. +.

spectabilis. 11. R. inermis glabra; foliis ternatis ovatis acutis duplicato-inæqualiter serratis subtus pubescentibus, pedunculis terminalibus unifloris solitariis, petalis ovatis.

On the banks of the Columbia. *M. Lewis.* On the north-west coast. *Menzies.* ♄. April, May. *v. v. in Herb. Lewis. nec non Banks.* The figure was taken from a specimen in the collection of A. B. Lambert, Esq.

Frutex elegans, 4–5-pedalis. *Rami* geniculati, subflexuosi, teretes, lævigati. *Gemmæ* alternæ, ferrugineæ, squamæ obtusæ. *Folia* e gemmis subtasticulata, ternata. *Foliola* ovato-oblonga, acuta, inciso-duplicato-serrata, supra glabra, subtus pubescentia, lateralia basi obliqua, intermedio petiolato. *Petioli* pubescentes, aculeo parvo recurvato uno alterove instructi. *Stipulæ* lineares. *Pedunculi* terminales uniflori solitarii. *Flores* magnitudine *R. odorati*, profunde et amoene purpurascentes. *Calyx* laciniis oblongis, brevi acuminatis, pubescentibus. *Petala* ovata, calyce plusquam duplo longiora.

odoratus. 12. R. inermis, erectus, viscido-hispidus; foliis simplicibus acute 3—5-lobatis, corymbis terminalibus divaricatis, calycibus appendiculatis, petalis suborbiculatis.—*Willd. sp. pl.* 2. *p.* 1085.

Icon. *Bot. mag.* 323. *Mill. ic.* 223. *Corn. canad. t.* 159.

In the woods of Canada and on the Allegany mountains: New York to Carolina. ♄. June, July. *v. v.* A fine ornamental shrub; flowers rose-coloured or crimson; berries yellow, of a very fine flavour and large size, but scarcely ever produced in the gardens.

** *Subherbacei.*

13. R. herbaceus, pubescens; flagellis reptantibus, foliis ternatis rhombeis acutis inciso-dentatis nudis, impari petiolato, floribus subternis, pedicellis elongatis.—*Mich. fl. amer.* 1. *p.* 298. *saxatilis*, β. canadensis.

In Canada, and on the mountains of New York to Virginia. ♃. June, July. *v. v.* Berries small, black.

14. R. fruticescens, pilis rigidis hispidus; foliis ternatis rotundato-obovalibus serratis nudis, stipulis setaceis, racemis floriferis subcorymbosis paucifloris, bracteis ovatis, pedicellis elongatis.—*Mich. fl. amer.* 1. *p.* 298. *obovalis.*

In swamps, among sphagnum, on the mountains: New York to Carolina. ♃. May—July. *v. v.* Berries with only a few large grains black and sweet.

15. R. herbaceus, pusillus; caule inermi subunifloro, foliis ternatis glabris obtuse serratis, petalis subrotundis emarginatis.—*Willd. sp. pl.* 2. *p.* 1088. *arcticus.*

Icon. *Engl. bot.* 1585. *Bot. mag.* 132.

In Labrador and near Hudson's Bay. ♃. May, June. *v. s. in Herb. Lambert.*; *v. v. in Hortis.* Flowers of a beautiful rose colour; berries amber, very delicious.

16. R. herbaceus, pusillus; caule inermi unifloro, foliis ternatis glabris argute serratis, petalis oblongis integris, stylis approximatis. *Smith exot. bot.* 2. *p.* 53. *t.* 86. *pistillatus.*

R. acaulis. *Mich. fl. amer.* 1. *p.* 298.

In bogs of Canada, and on the north-west coast. ♃. June, July. *v. s. in Herb. Dickson.* Resembles the foregoing one very much.

17. R. herbaceus, pusillus, repens; foliis pedato-quinatis incisis, pedunculis filiformibus medio bracteatis, calycibus glabriusculis reflexis. *Smith ic. ined. f.* 3. *p.* 63. *t.* 63. *pedatus.*

On the north-west coast. *Menzies.* ♃. *v. s. in Herb. Banks.* Petals white? This species may probably belong to the genus *Dalibarda.*

18. R. herbaceus, pusillus; caule inermi unifloro erecto, foliis simplicibus cordatis trilobis rugoso-venosis, petalis lanceolatis.—*Willd. sp. pl.* 2. *p.* 1089. *Smith ic. ined. f.* 3. *t.* 64. *stellatus.*

On the north-west coast. *Menzies.* ♃. *v. s. in Herb. Banks.* Flowers purple.

19. R. herbaceus, pusillus; caule inermi unifloro erecto, *Chamæmorus.*

foliis simplicibus subreniformibus rotundato-lobatis, petalis oblongis.—*Willd. sp. pl.* 2. *p.* 1090.

Icon. *Engl. bot.* 716. *Fl. dan.* 1. *Linn. fl. lapp. t.* 8. *f.* 1.

In sphagnous bogs of Canada, and on high mountains of New England. ♃. May, June. *v. v.* Flowers white; berries yellow or amber-coloured.

416. DALIBARDA. *Mich. fl. amer.* 1. *p.* 299.

1. D. villosa; stolonibus reptantibus, foliis simplicibus cordatis crenatis, pedunculis unifloris. *Linn. excurs.* 6. *p.* 250.

D. violacoides. *Mich. fl. amer.* 1. *p.* 299.

Rubus Dalibarda. *Willd. sp. pl.* 2. *p.* 1090.

Icon. *Mich. l. c. t.* 27. *Smith ic. ined. t.* 30. *Lam. fl. illustr. t.* 441. *f.* 3.

In shady woods and bogs of Canada, and on the high mountains of New England and Pensylvania. ♃. May, June. *v. v.* Flowers white.

2. D. foliis ternatis, foliolis cuneatis serrato-incisis, pedunculis multifloris, calycis tubo obconico.—*Mich. fl. amer.* 1. *p.* 300. *t.* 28.

Dryas trifoliata. *Pallas in Herb. Lambert.*

In shady beech-woods of Canada, and on the Allegany mountains. ♃. May, June. *v. v.* Flowers yellow.

417. DRYAS. *Gen. pl.* 868.

1. D. foliis ovato-oblongis grosse-dentatis rugosis subtus niveo-tomentosis, pedunculis unifloris.—*Willd. sp. pl.* 2. *p.* 1118.

Icon. *Engl. bots* 151. *Fl. dan.* 31.

On high mountains in the north-west parts of Canada. ♃. July, Aug. *v. s.* Flowers large, white.

2. D. microphylla; foliis ovatis acutis basi cordatis integerrimis planis subtus niveo-tomentosis, pedunculis unifloris.

Icon. *Egede, descrip. of Greenland, p.* 42. *t. B. f.* 3.

On the white hills of New Hampshire. *Prof. Peck.* ♃. July. *v. s. in Herb. Banks.* Flowers not half the size of the former.

418. GEUM. *Gen. pl.* 867.

1. G. hirsutum; foliis omnibus interrupte pinnatis, impari ampliore, foliolis ovatis dentatis, stipulis incisis, calycis laciniis 5. alternis linearibus brevibus, floribus erectis, petalis suborbiculatis calyce longioribus, aristis nudis uncinatis.—*Willd. sp. pl.* 2. *p.* 1113. *strictum*
   G. canadense *Murr. in comment. gœtt.* 5. *p.* 33. *f.* 4. *B.*
   G. aleppicum. *Jacq. ic. rar.* 1. *t.* 93.
   In wet meadows and bogs: Canada and New York. ♃. May, June. *v. v.* Flowers large, yellow.

2. G. hirsutissimum; foliis omnibus pinnatis, foliolis subæqualibus inæqualiter inciso-dentatis, stipulis ovatis subintegris, floribus erectis, calycis laciniis subæqualibus, petalis ovalibus longitudine calycis. *agrimonoides*
   G. laciniatum. *Murr. in comm. gœtt.* 5. *p.* 36. *t.* 2?
   On the rocky banks of the Susquehanna, Pensylvania, and on the upper parts of the Missouri. ♃. June, July. *v. v.* Flowers white.

3. G. pubescens; foliis radicalibus pinnatis, caulinis ternatis, summis simplicibus trifidis, stipulis inferioribus incisis, floribus erectis, petalis longitudine calycis, aristis uncinatis nudis apice pilosis.—*Willd. enum.* 556. *album.*
   G. canadense. *Jacq. hort.* 2. *p.* 82. *t.* 175.
   G. carolinianum. *Walt. fl. car.* 150?
   On the banks of rivers: Pensylvania to Carolina. ♃. June, July. *v. v.* Flowers white.

4. G. pubescens; foliis radicalibus caulinisque infimis ternatis, superioribus lanceolatis, stipulis ovatis subintegris, floribus erectis, petalis calyce brevioribus, aristis uncinatis nudis apice pilosis tortuosis.—*Willd. sp. pl.* 2. *p.* 1113. *virginianum.*
   Icon. *Murr. in comm. gœtt.* 5. *p.* 32.
   In shady woods, common: Canada to Carolina. ♃. July, Aug. *v. v.* Flowers white, very small.

5. G. subpaniculatum multiflorum; foliis caulinis subsessilibus tripartitis, stipulis integris, petalis cuneato-obcordatis, aristis prorsus pubescentibus medio geniculatis.—*Mich. fl. amer.* 1. *p.* 300. *geniculatum.*
   In Canada. *Michaux.* ♃. +.

6. G. pubescens; caule simplici, foliis radicalibus interrupte-pinnatis, caulinis trifidis, floribus nutantibus, petalis longitudine calycis, aristis plumosis superne nudius- *rivale.*

culis minutissime uncinatis.—*Willd. sp. pl.* 2. *p.* 1115. *Mich. fl. amer.* 1. *p.* 301.

Icon. *Fl. dan.* 722. *Engl. bot.* 106.

In wet boggy meadows: Canada and on the New York and Pensylvania mountains. ♃. June, July. *v. v.* Flowers yellowish purple. The flowers are smaller, the petals more rounded on the top, and the leaves with deeper incisions, than the European plant: compared in a living state, they may be found different species.

ciliatum. 7. G. pubescens; caule simplici, foliis glabriusculis margine ciliatis, inferioribus pinnatis, caulinis pinnatifidis, superioribus palmatis: laciniis linearibus incisis, floribus corymbosis.

On the banks of the Kooskooſky. ♃. June. *v. s. in Herb. Lewis.* An elegant species; flowers resembling those of No. 6.

radiatum. 8. G. hirsutissimum; caule simplici, foliis radicalibus pinnatis, impari amplissimo reniformi radianti-nervoso dentato, caulinis amplexicaulibus inciso-laceris, pedunculis axillaribus solitariis, aristis g[illegible] apice simplicibus.—*Mich. fl. amer.* 1. *p.* 300.

G. camtschaticum. *Pallas in Herb. Lambert.*

On high mountains of Carolina. *Michaux.* On the north-west coast. *Menzies.* Likewise a handsome plant; flowers yellow.

Pechii. 9. G. glabriusculum; caule unifloro, foliis radicalibus reniformibus circinatis basi subtruncatis inciso-dentatis petiolis longissimis interdum appendiculatis, calycis longitudine calycis.

On the white hills of New Hampshire. *Prof. Peck.* ♃. July. *v. s. in Herb. Banks.*

anemonoides. 10. G. glabrum; caule unifloro, foliis pinnatis, foliolis cuneiformibus apice dentatis, aristis rectis villosis.—*Willd. sp. pl.* 2. *p.* 1117.

Dryas anemonoides. *Pall. itin.* 3. *app. n.* 92. *nota* 2. *t. Ee. f.* 4.

Dryas pentapetala. *Sp. pl.* 717.

Caryophyllata Kamtschatica. *Lam. encycl.* 1. *p.* 395.

Icon. *Egede, descrip. of Greenland, p.* 42. *t.* 2.

On the north-west coast and the Kuril Islands. *Merk.* ♃. July. *v. s. in Herb. Lambert. specimen Pallasianum.*

419. POTENTILLA. *Gen. pl.* 866.

* *Foliis ternatis.*

3. P. assurgens, glabriuscula; stipulis subulatis, foliis ternatis oblongo-cuneiformibus apice tridentatis adpresso-pilosiusculis, corymbo laxo paucifloro, petalis oblongo-obovatis calyce longioribus.—*Willd. sp. pl.* 2. *p.* 1110. *tridentata.*
Icon. *Ait. kew.* 2. *t.* 9. *Engl. bot.* . . . .
On rocks in Canada and on the highest peaks of the Allegany mountains, particularly at Grandfather-mountains, Carolina. ♃. June, July. *v. s. in Herb. Dickson.*; *v. v. in Hortis.* Flowers white. According to Willdenow, and the figure of *P. retusa* in the Flora Danica, which is quoted as a synonym, the flowers are yellow; but this figure, if correct, presents most certainly a different plant, as the petals are round, and only the length of the calyx.

2. P. assurgens, hirsuta; stipulis ovatis integerrimis, foliis ternatis, foliolis sessilibus approximatis ambitu inciso-dentatis utrinque hirsutis, pedicellis paucis terminalibus elongatis unifloris, petalis cuneato-oblongis emarginatis calyce duplo longioribus. *emarginata.*
In Labrador. *Colmaster.* ♃. *v. s. in Herb. Dickson.* A small species; flowers large in proportion.

3. P. assurgens, lanato-tomentosa; stipulis ovatis integerrimis, foliis ternatis, foliolis sessilibus approximatis ambitu inciso-dentatis supra hirsutis subtus niveo-tomentosis, pedunculis paucis terminalibus unifloris, petalis lato-obcordatis calyce vix longioribus.—*Willd. sp. pl.* 2. *p.* 1109. *nivea.*
Icon. *Gmel. sib.* 3. *t.* 36. *f.* 1. *Gunn. norv. t.* 3. *f.* 1.
In Labrador. *Colmaster.* ♃. June, July. *v. s. in Herb. Dickson.* Flowers yellow.

4. P. assurgens, sericeo-villosissima; stipulis latis membranaceis integerrimis, foliis ternatis, foliolis sessilibus approximatis ambitu inciso-dentatis, supra villis nitidis adpresso-villosis, subtus cano-tomentosis, pedunculis brevibus aggregatis, petalis obcordatis calyce longioribus. *villosa.*
P. villosa. *Pallas in Herb. Lambert.*
On the north-west coast. ♃. *v. s. in Herb. Lambert.* This species approaches in general character very near to the foregoing one, but in habit they differ strikingly; the last is a more robust plant, covered with ain-

ing silky hairs, and the flowers are more than double the size of the former, which is a small plant covered with a white woolly tomentum. It approaches also to *P. subacaulis Willd. sp. pl. 2. p. 1111.* according to description, but Gmelin's figure is extremely different from it.

hirsuta. 5. P. erecta, simplex, hirsutissima; stipulis lanceolatis integris, foliis ternatis obovalibus laciniato-incisis, paniculâ pauciflorâ, pedicellis brevibus, petalis calyce minoribus.—*Mich. fl. amer. 1. p. 303.*

In Canada and the western parts of New York. ♃ July, Aug. *v. v.* Flowers white, small.

norwegica. 6. P. erecta, ramosa, pubescens; stipulis ovalibus dentatis, foliis ternatis rhombeo-lanceolatis inciso-dentatis, ramis dichotomis, pedicellis brevibus axillaribus solitariis, petalis calyce brevioribus.—*Willd. sp. pl. 2. p. 1109.*

Icon. *Fl. dan. 171.*

In fields of Canada and New York. ☉ June, July. *v. v.* Flowers pale yellow.

*** Foliis digitatis.*

pumila. 7. P. erecta, subacaulis, pubescens; foliis quinatis cuneiformibus apice dilatatis incisis subtus lanuginosis, pedunculis petiolo brevioribus simplicibus unifloris, petalis rotundatis calyce vix longioribus.—*Lam. encycl. 5. p. 594.*

In dry fields and pastures: Canada to Virginia. ♃ May—July. *v. v.* It has a strong resemblance to *P. verna*; flowers pale yellow.

canadensis. 8. P. procumbens, subramosa, candicanti-sericea; stipulis ovatis incisis, foliis quinatis cuneato-obovalibus incisis dentatis, caule adscendente hirsuto, pedunculis solitariis elongatis, calycis laciniis lineari-lanceolatis, petalis orbiculatis subintegris longitudine calycis.—*Willd. sp. pl. 2. p. 1106.*

In fields and pastures, common: Canada to Carolina. ♃. May—Aug. *v. v.* Has the appearance of a strawberry plant; flowers bright yellow.

simplex. 9. P. erecta, simplex, hirsuta; stipulis incisis, foliis quinatis oblongo-ovalibus grosse-serratis superioribus sessilibus, pedunculis axillaribus solitariis elongatis unifloris, calycis laciniis lineari-lanceolatis, petalis rotundato-obcordatis calyce longioribus.—*Mich. fl. amer. 1. p. 303.*

P. sarmentosa. *Willd. enum.* 554.
P. caroliniana. *Lam. encycl.* 5. *p.* 595.
In fields, meadows, and dry woods: Canada to Carolina.
4. May—Aug. *v. v.* Flowers yellow.

10. P. decumbens, filiformis, hirsuta; stipulis lineari-oblongis integris, foliis radicalibus septenatis quinatisque lineari-cuneiformibus dentatis, pedunculis axillaribus solitariis unifloris, petalis retusis calycis longitudine.—*Willd. sp. pl.* 2. *p.* 1103. *opaca*
Icon. *Jacq. ic. rar.* 91.
In Labrador. 4. June, July. *v. s. in Herb. Banks.* Flowers yellow, small.

11. P. erecta, ramosa, glabriuscula; foliis quinatis, foliolis pinnatifidis, laciniis integris acutis, floribus terminalibus subcorymbosis. *dissecta.*
Near Hudson's Bay. 4. *v. s. in Herb. Banks.*

12. P. erecta, ramosa, niveo-tomentosa; stipulis ovatis acutis, foliis quinatis cuneatis inciso-dentatis subtus tomentosis, floribus terminalibus corymbosis; petalis retusis vix calyce longioribus.—*Willd. sp. pl.* 2. *p.* 1101. *argentea.*
Icon. *Fl. dan.* 865. *Engl. bot.* 89.
In Canada, and on rocks in New Hampshire and Vermont. 4. June, July. *v. v.* Flowers small, yellow.

**** Foliis pinnatis.*

P. erecta, ramosissima, hirsuta; stipulis ovatis integris, foliis quinato-pinnatis, foliolis lineari-oblongis planis, petiolis longis, ramulis 1–2-floris, calycis laciniis 5: alternis spearibus, cæteris lato-ovatis acutis, petalis obovatis calyce longioribus.—*Willd. sp. pl.* 2. *p.* 1094. *fruticosa.*
Icon. *Engl. bot.* 88. *Amm. ruth.* 2. 17.
On the banks of rivers in Canada, and on the waters of the Rocky-mountains. *Lewis.* June—Aug. *v. v. in Hortis; v. s. in Herb. Lewis.* Flowers large, yellow. This shrub is from three to five feet high.

1. P. erecta, ramosissima, hirsutissima; stipulis ovatis integris, foliis quinato-pinnatis, foliolis lineari-oblongis margine revolutis, petiolis brevibus, corymbis terminalibus dichotomis dense-multifloris, calycis laciniis subæqualibus, petalis subrotundis longitudine calycis. *floribunda.*
P. fruticosa alpestris. *Pallas in Herb. Lambert.*
Icon. *Amm. ruth. t.* 18. *f.* 1.

In bog meadows and on the borders of lakes: Canada and on the mountains of New York and New Jersey. ♄. July, Aug. *v. v.* This is a low-growing shrub, not above eighteen inches high. Though it appears to be no more than a variety of the preceding, the difference of habit is so great, that I was persuaded to propose it as a distinct species: both cultivated near one another will decide whether it shall be adopted as such or not.

Anserina. 15. P. repens; foliis interrupte-pinnatis numerosis inciso-serratis sericeis subtus niveo-tomentosis, [illegible] unifloris.—*Willd. sp. pl.* 2. *p.* 1093.

Icon. *Engl. bot.* 861.

On the banks of rivers and lakes: Pennsylvania, New York, and Canada. ♃. May—Sept. [illegible] yellow, large. Specimens from [illegible] herbarium of A. B. Lambert, Esq. [illegible] in the form of its petals from the European plant; they are obovate, and longer than the calyx.

pensylvanica. 16. P. erecta, mollissime subcandicanti-[illegible] foliis pinnatis, foliolis oblongis obtusis subse[illegible]-tomentosis, panicula stricta multiflora [illegible] laciniis semiovalibus. *Mich. fl. a[illegible]* [illegible] *sp. pl.* 2. *p.* 1099.

Icon. *Jacq. hort. t.* 189.

strigosa. β. P. cano-pubescens; foliis pectinato-[illegible] velutis, floribus corymbosis.

P. strigosa, *Pallas in Herb. Lamber.*

Icon. *Gmel. sib.* 3. *t.* 34. *f.* 1.

In Canada and New England. β. [illegible] June, July. *v. v.* β. *v. s. in Herb. Banks.* [illegible] yellow. The variety β. appears to be a distinct species.

Fragaria. 17. P. procumbens, dichotoma; foliis pinnatis, foliolis [illegible] longis profunde dentatis, pedunculis [illegible] floribus unifloris patulis.—*Willd. sp. pl.* 2. *p.* 1040.

Icon *Gmel. it.* 1. *t.* 27. *f.* 2. *Plukn. alm. t.* 106. *f.* 7.

In overflowed places, on the banks of rivers: Canada to Pennsylvania, principally in the western parts thereof. ☉. June—Aug. *v. v.* Flowers small, yellow.

420. COMARUM. *Gen. pl.* 869.

palustre. 1. Comarum. *Willd. Sp. pl.* 2. *p.* 1119.

Icon. *Fl. dan.* 636. *Engl. bot.* 172.

In swamps: Canada and on the banks of rivers and lakes in the western parts of New York and Pensylvania. ♃. June, July. *v. v.* Flowers dark purple.

421. FRAGARIA. *Gen. pl.* 865.

1. F. calyce fructus reflexo, pubescentia petiolorum patentissima, pedunculorum adpressa. *Willd. sp. pl.* 2. *p.* 1090. *vesca.*
Icon. *Engl. bot.* 1524.
In Canada and New England. ♃. April, May. *v. v.* The common *Strawberry* is frequently found wild.

2. F. calyce fructus patente, pubescentia petiolorum erecta, pedunculorum adpressa, foliis supra glabriusculis. *Willd. sp. pl.* 2. *p.* 1091. *virginiana.*
F. glabra. *Duham. arb.* 1. *t.* 5.
In woods and fields frequent: Canada to Carolina. ♃. April, May. *v. v.*

3. F. major; foliolis amplo-ovalibus, lateralibus manifeste petiolatis, pedicellis longis recurvo-pendulis, receptaculis seminum globosis favoso-scrobiculatis villosis. *Mich. fl. amer.* 1. *p.* 290. *canadensis.*
In shady wet woods: Canada and on the Allegany mountains. ♃. April, May. *v. v.*

422. CALYCANTHUS. *Gen. pl.* 870.

1. C. laciniis calycis lanceolatis, foliis lato-ovalibus acutis subtus tomentosis, ramis patentibus.—*Willd. sp. pl.* 2. *p.* 1119. *Willd. enum.* 559. *floridus.*
C. sterilis. *Walt. fl. car.* 151.
Icon. *Bot. mag.* 503.
On the banks of shady rivulets: Carolina. ♄. May—July. *v. v.* The fragrant flowers are, as all the following, dark purple. This so much esteemed shrub is generally known by the name of *Carolina Allspice* or *Sweet-scented Shrub.*

2. C. laciniis calycis lanceolatis, foliis ovato-lanceolatis acuminatis subtus glaucis pubescentibus, ramis patentibus. —*Willd. enum.* 559. *glaucus.*
C. fertilis. *Walt. fl. car.* 151.
Icon. *Bot. rep.* 539. *Schmidt arb.* 129.
In the mountains of Carolina. ♄. May—Aug. *v. v.*

The scent of this species is not quite so agreeable the foregoing one, and more faint.

lævigatus. 3. C. lachniis calycis lanceolatis, foliis oblongis vel ovalib sensim acuminatis subrugosis utrinque glabris viridibu ramis stricte erectis.—*Willd. enum.* 559.

C. ferax. *Mich. fl. amer.* 1. *p.* 305.

On the mountains of Pensylvania, Virginia, and Caro na. ♄. May—July. *v. v.*

END OF THE FIRST VOLUME.

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